

# Calendar



VICTORIA  
COLLEGE

1961  
1962

## **CHILDREN OF WAR DEAD (Education Assistance) ACT**

This Act provides fees and monthly allowances for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest district office of the Department of Veterans' Affairs.

## **GOVERNMENT OF BRITISH COLUMBIA SCHOLARSHIPS**

The Government of the Province of British Columbia, recognizing the necessity and worth of encouraging capable persons to embark upon or continue studies in higher education, has made available a significantly large number of scholarships for first-class and high second-class students.

Application forms for these scholarships may be obtained after May 1st from the Department of Education, Victoria, B.C.; from the University of British Columbia, Vancouver, B.C.; from Victoria College, Victoria, B.C.; and, where the student is attending school, from the Principals of Senior High Schools. Completed applications must be submitted by the dates specified.

## **GOVERNMENT BURSARIES**

The Government of the Province of British Columbia with contribution also by the Federal Government provides funds annually for the award of bursary assistance to capable persons who can show financial need and who desire to embark upon or continue studies in higher education or in nurses' training.

Application forms for these bursary awards may be obtained after May 1st from the Department of Education, Victoria, B.C.; from the University of British Columbia, Vancouver, B.C.; from Victoria College, Victoria, B.C.; and, where the student is attending school, from the Principals of Senior High Schools. Completed applications must be submitted by the dates specified.

## **THE STUDENT AID LOAN FUND**

By an Act of the Provincial Legislature, the University of British Columbia has been authorized to borrow money for the establishment of the Student Aid Loan Fund, to provide assistance, under prescribed conditions, enabling students to attend the University of British Columbia, Victoria College, and certain other institutions.

Application forms for loans may be obtained from the Dean of Inter-Faculty Affairs at the University of British Columbia, Vancouver B, B.C.; from Victoria College, Victoria, B.C.; or from the Department of Education, Victoria, B.C.

# Calendar



Victoria College  
Library



# VICTORIA COLLEGE

*In Affiliation with the University of British Columbia*

1961  
1962





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## ACADEMIC YEAR

### 1961

Tuesday, August 1st—Last day for submission of applications for bursaries.  
Monday, August 7th—Supplemental examinations begin.  
Tuesday, August 15th—Supplemental examinations end.  
Friday, September 1st—Academic Year begins.  
Monday, September 4th—Labour Day. College closed Saturday to Monday, inclusive.  
Monday, September 11th } Registration in person for winter session. Registration  
Saturday, September 16th } closes weekdays at 4:00 p.m. and Saturday at 11:00  
a.m. First term fees are due and payable. College  
Ability Tests will be administered for new students.  
Thursday, September 14th—Session begins (organization). Opening at Gordon Head  
Gymnasium.  
Monday, September 18th—Lectures begin at 8:30 a.m.  
Saturday, September 30th—Last day for changes in students' courses: all changes  
must be reported to Registrar's Office by this date.  
Monday, October 9th—Thanksgiving Day. College closed Saturday to Monday,  
inclusive.  
Saturday, November 11th—Remembrance Day. College closed.  
Saturday, December 9th—Last day of lectures.  
Wednesday, December 13th—Examinations begin.  
Thursday, December 21st—First term ends.  
Monday, December 25th—Christmas Day. College closed December 23rd to 26th.

### 1962

Monday, January 1st—New Year's Day. College closed Saturday and Monday.  
Wednesday, January 3rd—Second term begins. Second term fees due and payable.  
Students are advised to mail second term fees to Accountant by this date.  
Saturday, April 7th—Last day of lectures. Last day for handing in graduation essays.  
Thursday, April 12th—Sessional examinations begin.  
Friday, April 20th—Good Friday. College closed Friday to Monday, inclusive.  
Monday, April 30th—Sessional examinations end.  
Saturday, May 19th—College closed.  
Monday, May 21st—Victoria Day. College closed.  
Sunday, May 27th—Baccalaureate Service.  
Monday, May 28th—Congregation.  
Monday, June 11th—Last day for registration for summer session.  
Sunday, July 1—Dominion Day.  
Monday, July 2nd—College closed.  
Tuesday, July 3rd—Summer session begins.  
Wednesday, July 4th—Summer session supplemental examinations.  
Monday, July 16th—Last day for submission of applications for supplemental  
examinations.  
Wednesday, August 1st—Last day for submission of application for bursaries.  
Monday, August 6th—Supplemental examinations begin.  
Tuesday, August 14th—Supplemental examinations end.  
Friday, August 17th—Summer session ends.  
Friday, August 31st—Academic Year ends.

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During 1961 the College is closed Saturdays from May 20th to September 2nd  
inclusive.

## VICTORIA COLLEGE COUNCIL

Norman A. M. MacKenzie, C.M.G., M.M. and Bar, Q.C., B.A., LL.B., LL.M., LL.D.,  
D.C.L., D.Sc. Soc., F.R.S.C., President, University of British Columbia.

S. N. F. Chant, O.B.E., M.A., Dean of the Faculty of Arts and Science.

Neville V. Scarfe, M.A., Dean of the Faculty of Education.

John Gough, M.A., District Superintendent of Schools, Greater Victoria District.

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.

### Appointed by Board of Governors:

His Honour Judge J. B. Clearihue, M.C., E.D., B.A., B.C.L., M.A., LL.D.,  
(Chairman). Term expires May, 1963.

Richard B. Wilson, Term expires May, 1965.

### Appointed by Lieutenant-Governor in Council:

Lloyd G. McKenzie, Q.C., B.A., LL.B. Term expires May, 1963.

Willard E. Ireland, M.A. (Vice-Chairman). Term expires May, 1965.

### Appointed by Greater Victoria Board of School Trustees:

Kenneth L. Leeming. Term expires May, 1963.

William C. Gelling. Term expires May, 1965.

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## OFFICERS AND STAFF

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.  
Robert T. D. Wallace, M.A. (Brit. Col.), Vice-Principal and Director, Evening  
Division.

Henry C. Gilliland, M.A. (Brit. Col.), Director, Teacher Education.

Hugh E. Farquhar, M.A. (Brit. Col.), Executive Assistant to the Principal and  
Director of the Summer Session.

Miss Dorothy M. Cruickshank, B.A. (Brit. Col.), Registrar.

Dean W. Halliwell, M.A. (Sask.), B.L.S. (Toronto), Head Librarian.

M. Warren Davidson, Bursar.

Miss Patricia Sullivan, B.A. (Sask.), Associate Registrar.

Mrs. Marjorie Hoey, Assistant Registrar.

Miss Catherine D. Cameron, Secretary to Principal.

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## FACULTY BOARD

The Principal (Chairman).

### Ex-officio Members:

The Vice-Principal.

The Director of Evening Division.

The Director of Teacher Education.

The Director of Summer Session.

The Librarian.

The Registrar (Secretary).

### Elected Representatives:

Humanities—R. J. Bishop, R. Poisson.

Social Sciences—G. R. Elliott, W. H. Gaddes.

Pure Science—L. J. Clark, W. G. Fields.

Education—G. A. Brand, A. E. Loft.



## FACULTY OF ARTS AND SCIENCE

### Professor Emeritus

Jeffree A. Cunningham, B.A. (Queen's), Professor Emeritus of Zoology.

### Department of Anthropology and Sociology

Roy E. L. Watson, M.A., Ph.D. (Toronto), Associate Professor.

### Department of Astronomy

Mrs. Jean K. Petric, B.Sc. (Alberta), Ph.D. (Michigan), Part-time Lecturer.

### Department of Bacteriology

Mrs. Ann Johnston, M.Sc. (McGill), Part-time Lecturer.

### Department of Biology, Botany and Zoology

W. Gordon Fields, B.A. (Brit. Col.), A.M. (Stanford), Professor of Biology and Zoology, and Head of Department.

Arthur R. Fontaine, B.Sc. (McGill), Assistant Professor of Biology and Zoology.

Edwin M. Hagmeier, M.A., Ph.D. (Brit. Col.), Assistant Professor of Biology and Zoology.

Mrs. Marion D. Fontaine, M.Sc. (McGill), Part-time Instructor in Biology and Zoology.

Mrs. K. Diane Vaughan, B.A., M.D. (Brit. Col.), Part-time Lecturer in Zoology.

G. Clifford Carl, M.A. (Brit. Col.), Ph.D. (Toronto), Part-time Lecturer in Zoology.

Miss M. Jean Davidson, Laboratory Instructor.

Robert M. Hunt, B.A. (Brit. Col.), Laboratory Instructor.

### Department of Chemistry

Lewis J. Clark, B.A. (Brit. Col.), M.Sc. (Washington), Professor and Head of Department.

Stephen A. Ryce, B.A., Ph.D. (Brit. Col.), Associate Professor.

Miss Wilma E. Elias, M.A. (Sask.), Ph.D. (Brit. Col.), Assistant Professor.

Alexander D. Kirk, M.Sc., Ph.D. (Edinburgh), Assistant Professor.

C. Eugene Burchill, B.A. (Sask.), Instructor.

Donald J. MacLaurin, B.A.Sc. (Brit. Col.), M.Sc. (Wisconsin), Instructor.

### Department of Classics

John Carson, M.A. (Oxon), Assistant Professor.

Peter L. Smith, B.A. (Brit. Col.), Ph.D. (Yale), Assistant Professor.

Geoffrey J. D. Archbold, B.A. (Brit. Col.), M.A. (Cincinnati), Instructor.

### Department of Commerce, Economics and Political Science

G. Reid Elliott, B.A. (Sask.), M.A., Ph.D. (Toronto), Professor and Head of Department.

Izzud Din Pal, M.A. (Panjab), M.Sc. (London), Ph.D. (McGill), Assistant Professor.

Neil A. Swainson, B.A., B.Ed., M.A. (Brit. Col.), Assistant Professor.

### Department of English

Roger J. Bishop, B.A. (Brit. Col.), M.A. (Toronto), Professor and Head of Department.

Chester L. Lambertson, M.A. (Alberta), Ph.D. (Harvard), Associate Professor.

Robert G. Lawrence, M.A. (New Brunswick), Ph.D. (Wisconsin) Associate Professor.

John D. Peter, M.A. (Cantab), B.A., LL.B., D.Litt. (South Africa), Associate Professor.

Rodney Poisson, M.A. (Brit. Col.), Ph.D. (Washington), Associate Professor.

Burton O. Kurth, B.A. (Brit. Col.), Ph.D. (Calif.), Assistant Professor.

G. Grant McOrmond, M.A. (Sask.), Assistant Professor. (On leave of absence 1961-62).

Geoffrey J. D. Archbold, B.A. (Brit. Col.), M.A. (Cincinnati), Instructor.

William Benzie, M.A., Ed.B. (Aberdeen), Instructor. (On leave of absence 1961-62).

David D. Buchan, M.A. (Aberdeen), Instructor.  
 Allan T. J. Cairns, M.A. (Alberta), Instructor.  
 Miss Joan Coldwell, M.A. (London), Instructor.  
 George Cuomo, B.A. (Tufts), M.A. (Indiana), Instructor.  
 George H. Forbes, B.A. (Brit. Col.), Instructor.  
 John G. Hayman, B.A. (Oxford), M.A. (Cornell), Instructor.  
 Brian Humphries, B.A. (Sask.), Instructor.  
 Anthony W. Jenkins, B.A. (Cambridge), Instructor.  
 Miss Jean E. Kennard, B.A. (London), Instructor.  
 William J. McMurray, A.B. (Middlebury), M.A. (Illinois), Instructor.  
 Miss E. Ann Saddlemeyer, B.A. (Sask.), M.A. (Queen's), Instructor.  
 Michael J. Warren, B.A. (Oxford), Instructor.

#### Department of Geology and Geography

Charles H. Howatson, M.A. (Brit. Col.), Associate Professor.  
 Charles N. Forward, M.A. (Brit. Col.), Ph.D. (Clark), Assistant Professor.  
 Woodford Garrigus, A.B. (Middlebury), M.A., Ph.D. (Clark), Assistant Professor.  
 Miss Barbara Westinghouse, A.B. (Stanford), Instructor.

#### Department of History

Sydney G. Pettit, M.A. (Brit. Col.), Professor and Head of Department. (On leave of absence 1961-62).  
 C. Anthony Emery, M.A. (Oxon), Assistant Professor.  
 Reginald H. Roy, M.A. (Brit. Col.), Assistant Professor.  
 John C. M. Ogelsby, A.B. (Stanford), M.A. (Washington), Lecturer.  
 Mrs. Rona J. Haddon, B.A. (Brit. Col.), Special Instructor.

#### Department of Mathematics

Robert T. D. Wallace, M.A. (Brit. Col.), Professor and Head of Department.  
 Fernand E. Deloume, B.A. (Brit. Col.), M.A. (Toronto), Ph.D. (U.S.C.), P.Eng. (Brit. Col.), Associate Professor.  
 Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Associate Professor.  
 Leon D. Bowden, B.Sc. (London), B.Litt. (Oxford), Assistant Professor. (On leave of absence 1961-62).  
 Mrs. D. Elizabeth Kennedy, M.A. (Brit. Col.), Assistant Professor.  
 Ian Barrodale, B.Sc. (Univ. College of N. Wales), Instructor.  
 Byron L. Ehle, A.B. (Whitman), Instructor.  
 I. R. Vesselo, B.Sc., M.Ed. (Manchester), Lecturer.  
 H. Paul Smith, B.A., M.Ed. (Brit. Col.), Lecturer.  
 Mrs. Eileen Caner, B.Sc. (London), Part-time Lecturer.  
 Mrs. Jean Sargent, B.A. (Brit. Col.), Ph.D. (Toronto), Part-time Lecturer.

#### Department of Modern Languages

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Professor of French and Head of Department.  
 C. Vyner Brooke, B.A. (Queen's), A.M., Ph.D. (Harvard), Associate Professor of Spanish.  
 Miss Gwladys V. Downes, M.A. (Brit. Col.), Docteur de l'Université de Paris, Associate Professor of French.  
 J. Beattie MacLean, B.A. (Brit. Col.), M.A., Ph.D. (Washington), Associate Professor of German.  
 Richard G. Kappler, A.B. (Cornell), M.A., Ph.D. (Columbia), Assistant Professor of Russian.  
 Gerald Moreau, M.A. (Laval), Docteur de l'Université de Poitiers, Assistant Professor of French.  
 Frederick Kriegel, Instructor in German.

Jerrold L. Mordaunt, M.A. (Utah), Instructor in French and Spanish.  
Miss Adriana N. Slaniceanu, B.A. (Alberta), Instructor in French.  
Mrs. Bérangère E. Steel, Instructor in French.  
Miss Herta M. Hartmanshenn, Ph.D. (Marbourg), Lecturer in German.

#### **Department of Philosophy**

Edward J. Bond, M.A. (Queen's), Instructor.

#### **Department of Physics**

John L. Climenhaga, M.A. (Sask.), M.A., Ph.D. (Michigan), Associate Professor and Head of Department.  
David Rankin, M.A. (Brit. Col.), Ph.D. (Alberta), Associate Professor.  
Harry W. Dosso, B.A., M.Sc. (Brit. Col.), Assistant Professor.  
David G. H. Frood, M.A. (Brit. Col.), Ph.D. (Liverpool), Assistant Professor.  
Gerhart B. Friedman, B.Sc., M.A. (Madras), Ph.D. (Brit. Col.), Lecturer.  
Robert Parker, Instructor.  
Terry T. Robertson, Laboratory Assistant.

#### **Department of Psychology**

William H. Gaddes, M.A. (Brit. Col.), Ph.D. (Claremont), Associate Professor and Head of Department.  
Geoffrey P. Mason, M.A. (Brit. Col.), Ph.D. (Wash. State), Associate Professor. (On leave of absence 1961-62).  
G. Alexander Milton, A.B. (Western Wash.), M.S. (Oregon), Ph.D. (Stanford), Assistant Professor.  
Erling Boe, B.A. (Concordia, Minn.), M.S. (Wash. State), Instructor.  
Mrs. Norah M. Carlsen, B.A. (Brit. Col.), M.A. (Toronto), Part-time Instructor.  
Douglas E. Alcorn, M.D., G.M. (McGill), L.M.C.C., F.A.P.A., F.A.G.S., F.A.A.A.S., Part-time Lecturer.  
Ian S Kenning, M.D. (McGill), C.M., Part-time Lecturer.  
Robert M. Peet, B.A., M.B., M.D. (Trinity College, Dublin), M.R.C.P.I., M.S. (Minn.), F.R.C.P. (Can.), Part-time Lecturer.

### **COLLEGE OF EDUCATION JOINT BOARD**

#### **Representing the University:**

The Chancellor, Dr. A. E. Grauer, or his nominee.  
The President, Dr. N. A. M. MacKenzie, or his nominee.  
The Dean of the Faculty and College of Education, Neville V. Scarfe, or his nominee.  
Representative of the Senate, Dean Walter H. Gage (Chairman).

#### **Representing the Provincial Department of Education:**

The Deputy Minister, Dr. J. F. K. English, or his nominee.  
The Assistant Superintendent, Mr. F. P. Levirs, or his nominee.  
The Registrar, Mr. Harry M. Evans, or his nominee.  
The Coordinator of Teacher Recruitment, Mr. Philip J. Kitley, or his nominee.

#### **Representing Victoria College:**

The Principal, Dr. W. Harry Hickman, or his nominee.

#### **Representing the B.C. School Trustees' Association:**

Mr. F. M. Reder.

#### **Representing the B.C. Teachers' Federation:**

Mr. C. D. Ovans.

Mr. Harold N. Parrott.

Secretary, The Registrar, Mr. J. E. A. Parnall.

## FACULTY OF EDUCATION

- H. C. Gilliland, M.A. (Brit. Col.), Professor and Director of Teacher Education.  
George A. Brand, B.A., M.Ed. (Brit. Col.), Professor and Assistant Director of Teacher Education.  
Hugh E. Farquhar, M.A. (Brit. Col.), Professor.  
Howard B. Barnett, A.R.C.T., B.A., Mus.Bac. (Toronto), M.A., Ph.D. (S. Calif.), Associate Professor.  
D. Boyce Gaddes, A.T.C.M., B.Mus. (Oregon), M.A. (Washington), Associate Professor.  
A. Wilfrid Johns, B.A. (Washington), Associate Professor.  
Fred L. Martens, B.A., B.Ed. (Brit. Col.), M.S. in P.E. (Washington), Associate Professor.  
David J. Chabassol, B.A., B.Ed. (Acadia), M.Ed. (Toronto), Ph.D. (Alberta), Assistant Professor.  
Mrs. Kathleen M. Christie, B.A. (Brit. Col.), Assistant Professor.  
Miss Winnett A. Copeland, Assistant Professor.  
Miss Jessie B. Fleming, B.A. (Brit. Col.), Assistant Professor.  
C. F. Goulson, M.A. (Brit. Col.), Assistant Professor.  
Mrs. Maureen C. Hibberson, B.P.E. (Brit. Col.), M.A. (Oregon), Assistant Professor.  
Frank T. Kennedy, B.P.E. (Brit. Col.), M.S. (Oregon), Assistant Professor.  
Alfred E. Loft, B.A. (Brit. Col.), Assistant Professor.  
G. Gordon Manson, B.A., B.Ed. (Brit. Col.), Assistant Professor.  
Richard H. J. Monk, B.A. (Brit. Col.), M.Ed., Ph.D. (Washington), Assistant Professor.  
Miss Marion Scribner, B.A., B.Ed. (Sask.), Ed.D. (Calif.), Assistant Professor.  
Miss Ardyth Archer, B.Sc., M.Ed. (North Dakota), Instructor.  
A. Claude Campbell, B.A. (Mt. Allison), Instructor.  
Edgar B. Horne, B.A.Sc., M.A. (Brit. Col.), Instructor.  
Mrs. Marion A. Small, B.Ed. (Brit. Col.), Instructor.  
Robert Swailes, B.Sc. (Man.), Instructor.  
Walter Thumm, B.A., B.Ed. (Brit. Col.), B.Sc. (Sir George Williams), Instructor.  
Donald Harvey, A.T.D. (Britain), Lecturer.  
John R. Cameron, M.A. (Brit. Col.), Lecturer.  
Mrs. Margaret V. Macfarlane, Lecturer.  
Miss Mary I. Saich, B.A. (Brit. Col.), Lecturer.

## OTHER DEPARTMENTS

### Accounting Department:

M. Warren Davidson, Bursar, Accountant, Purchasing Agent.

### Book Store:

Mrs. E. Joyce McKay, B.A. (Man.), Manager.

### Counselling and Testing:

Miss Esme N. Foord, M.A. (Queen's), B.Paed., Ed.D. (Toronto), Assistant Professor, Supervisor of Counselling and Testing.

### College Health Service:

Dr. R. M. Lane, Supervisor.

### Women's Activities:

Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Coordinator.

### Athletics:

Fred L. Martens, B.A., B.Ed. (Brit. Col.), M.S. in P.E. (Washington), Coordinator.



# VICTORIA COLLEGE

*In Affiliation with the University of British Columbia*

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VICTORIA COLLEGE offers courses leading to degrees in Arts, Science and Education and the First Year of Commerce and Business Administration. Since the courses are the same as those prescribed by the University of British Columbia, students receive credits that are recognized wherever the credits of the parent University are recognized.

Victoria College also offers work preparatory to degrees in Law, Medicine, Dentistry, Architecture, Social Work, and Library Science. Only the first year of work preparatory to degrees in Agriculture, Applied Science, Chartered Accountancy, Forestry, Nursing, Occupational Therapy, Physiotherapy, Optometry, Pharmacy, and Veterinary Medicine is given at the College.

In 1894, by Act of the Provincial Legislature, High Schools of the Province were permitted to affiliate with recognized Canadian Universities, in order to provide the first stages of higher education.

Eight years later, in 1902, Victoria High School applied for affiliation with McGill University, and in the Fall of 1903 Victoria College opened its doors as a separate institution to give the first year in Arts and Science under the aegis of McGill. Second year work in Arts and Science was undertaken in 1907.

In 1906, the Provincial Legislature passed an Act incorporating the Royal Institution for the Advancement of Learning of British Columbia. This Institution, in the same year, established at Vancouver the McGill University College of British Columbia, and in the following year Victoria College became part of this foundation.

In 1908, an Act was passed establishing and incorporating the University of British Columbia, and in 1915, when the University of British Columbia was opened, Victoria College was closed.

Five years later, however, in 1920, public opinion demanded that higher education again be made available in the Victoria area, and Victoria College was re-established — this time in affiliation with the University of British Columbia.

In 1945, by virtue of an Agreement signed by the Education Department, the University, and the Greater Victoria School Board, the academic direction of the College was placed in the hands of Victoria College Council, on which all three authorities were represented. Financial direction remained in the hands of the Greater Victoria School Board.

At the 1955 session of the Legislature, Victoria College was by Statute created a second institution of higher learning in British Columbia, affiliated with the University of British Columbia, and offering courses approved by the University in the Faculties of Arts and Science and Education. The Victoria Normal School was incorporated into Victoria College as a part of the College of Education, which, beginning September 1, 1956, assumed responsibility for the training of teachers. The affairs of Victoria College are vested in Victoria College Council consisting of eleven members.

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The College buildings are situated at the corner of Lansdowne and Richmond Roads on the Mount Tolmie bus route, and command beautiful views of the City of Victoria, Juan de Fuca Strait, and the Olympic Mountains in the State of Washington. Additional facilities for class rooms and laboratories have been established at the Gordon Head campus.

With its relatively small enrolment, and its carefully selected Faculty, Victoria College offers an individualized education to its students whether they be preparing the way for further University studies or planning to enter the teaching profession.

During the early summer of 1952 the Library-Administration Building was ready for occupancy. The \$259,000 structure, financed by the B.C. Government, was named the Ewing Building, in memory of Dr. John Morton Ewing, who, as Principal from 1944 to 1952, very ably directed the College through the years of expansion



following the war. This building includes administrative and staff offices, the College Library with 75,000 volumes and a spacious, well-lighted Reading Room.

During the 1958-59 Session the Ewing Building was extended, several huts were enlarged, Dunlop House was purchased and the Gordon Head campus of 120 acres was acquired.

The playing field and gymnasium at Gordon Head meet the demands of the College's athletic programme. As a first result of the Building Fund Campaign for \$2,500,000, construction was commenced on a \$250,000 classroom-office block which was ready for occupancy early in January, 1961.

Plans are presently being drawn for a new Science building, a new Library, and a Classroom block which will be located on the Gordon Head Campus.

### IMPORTANT NOTICES

No student with unsatisfactory standing will be permitted to register without the permission of the Faculty.

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As the College Session is short, the student must be prepared to do intensive work from the first day of the session to the last. Unless the student adapts himself to these conditions, his chances of success are slight.

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The Principal and Staff are most willing at all times to give direction or advice but the ultimate responsibility in the selection of courses rests with the students.

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### Regulation of Victoria College Council Forbidding Hazing and other Unauthorized Activities

The following are prohibited:

1. Hazing.
2. Any act by any student attending the College or by anyone at all causing injury or likely to cause injury to any person or damage to College property.
3. Bringing and/or consuming liquor within the precincts of the College, or in association with any function held under the name of the College.
4. The Victoria College Council considers unlawful entry of buildings on either campus as a very grave offence. Any such occurrence will be reported to and dealt with by the Council.

Any student violating the above regulations will be liable to immediate expulsion.

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Victoria College is governed by the regulations of the University of British Columbia, of which the official statement is the University Calendar; this Calendar is a digest of such regulations.

Students are warned not to assume that regulations remain unchanged from year to year. They should note regulations and outlines of courses as they appear in this Calendar.

Application for admission should be made as early as possible before September 1st, 1961, to the Registrar, Victoria College. Students registering for the first time must present their High School Graduation (University Programme) Certificates, and any higher certificates they may have obtained.

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### THE LIBRARY

Since good books are essential to sound learning, the Library is often referred to as the centre of academic life on the campus. To keep pace with the growth and expansion of Victoria College, its Library has undertaken an accelerated programme of development and service. By the spring of 1961, the book collection totalled approximately 75,000 volumes and was growing at a rate of about 15,000 volumes

annually. The Library regularly receives some 750 periodicals, and has in addition a collection of long-playing records.

The Main Library, with study space for 300 readers, is housed in the Ewing Building. The Curriculum Library, in Room 111 of the Young Building, provides another 75 seats; intended for student teachers, it contains school texts, teaching manuals, children's books and picture files.

Under the Library's open-stack system, students have access to all books with the exception of Reserve Books and bound periodicals. The former Dewey Decimal Classification is now being replaced by the Library of Congress Classification; well-trained staff members are always available to help the student make the fullest use of the Library's collection. Regulations governing loan periods and fines are published in the Students' Handbook and are displayed prominently in the Library. Full Library privileges are extended without charge to all Victoria College students and staff members, and may be granted to other persons upon application.

While classes are in progress during the Session 1961-62, the Library's hours of opening will be as follows:

Mondays through Fridays:	8:30 a.m. to 9:30 p.m.
Saturdays:	8:30 a.m. to 4:30 p.m.

At other times the Library is open from 8:30 a.m. to 4:30 p.m. Mondays through Fridays.

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### COLLEGE BOOK STORE

The Book Store, now located in the E. B. Paul Building, was established for the convenience of the students, and has effected a considerable saving to the students in time and money. It is prepared to supply all the text-books required for the various courses offered at Victoria College, and to accept special orders for books other than texts. Students may also purchase at the Book Store all general supplies such as note-books, loose-leaf refills, ball point pens, drawing paper, etc.

During the winter session the Book Store is open Monday to Friday from 8:30 a.m. to 4:30 p.m. and Saturday morning from 8:30 a.m. to 12:30 p.m.

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### PARKING

1. Lansdowne Lot—for Faculty and students with permits.
2. Foul Bay Road Lot—South of Paul Building—for Faculty only.
3. Foul Bay Road Lot—north of Paul Building—for Faculty and students with permits.
4. No freshman, without a special permit, may park in any parking lot.
5. The drivers of all cars parked in unauthorized areas, or driven onto the College grounds between 7:00 a.m. and 5:30 p.m. will be subject to a fine of \$2.00 for each offence.

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### GENERAL CONDUCT

The College authorities do not assume responsibilities which naturally rest with parents. This being so, it is the policy of the College to rely on the good sense and on the home training of students for the preservation of good moral standards and for appropriate modes of behaviour and dress.

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### GENERAL INFORMATION

The academic year begins on the first of September and ends on the last day of August. The Winter Session is divided into two terms—the first, September to December; the second, January to May. The Summer Session consists of seven weeks' instruction in July and August.

## Courses of Study

For the session of 1961-62 the College offers instruction in the four years of the Faculty of Arts and Science, in the first year of the Faculty of Commerce and Business Administration, and in four years of the College of Education leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, and Bachelor of Education.

By a proper selection of First Year courses in Arts and Science, students may equip themselves to enter, at the University, the first year of Engineering, Forestry, Nursing, and the second year of Agriculture, Physical Education, Pharmacy.

Courses preparatory to Medicine, Dentistry, Law, Architecture, etc., may be taken at the College.

## Board and Residence

A list of private homes where students may obtain full board and room, room and breakfast only, or light housekeeping accommodation may be obtained from the Registrar's Office or the office of Mrs. O. P. Noble who acts as Dean of Women. Students wishing to work for their room and board should apply to Mrs. Noble. Men and women students are not permitted to lodge in the same house, unless they are members of the same family, or receive special permission from the Faculty. The cost of board and room varies from about \$60 to \$75 a month. Students should ascertain whether they are being offered two or three meals a day at the price quoted. Light housekeeping accommodation is available from \$30 to \$45 a month. Lunches may be obtained on the campus.

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## COUNSELLING, TESTING AND PLACEMENT OFFICES

(1) **COUNSELLING:** The Supervisor of Counselling is ready to consult with all students on matters of academic problems, course selection, vocational direction (with reference to ability and interests), and personal problems. Reference materials are available in the Supervisor's office on Careers, Career Planning, Personal Adjustment, Study Habits, College programmes and Orientation, University Catalogues, Scholarships, etc.

### (2) TESTING:

(a) **College Placement (Ability) Tests:** Administered to all students anticipating entrance to the College. These tests are held at all high schools in the Greater Victoria District in March and April and in lower Vancouver Island high schools in April or May, with the cooperation of the Department of Education. Notices will be sent to local superintendents and principals regarding dates. Students from other areas or colleges, or those coming from schools where tests were not administered will take the tests during registration week at the College.

(b) **Interest Tests** are available for all students at the Counselling Office to help in the selection of courses, or to assist the students in choice of a career.

### (3) NATIONAL EMPLOYMENT SERVICE

A close liaison is maintained with the central National Employment Service and Unemployment Insurance Commission through a representative of that office who will be on the campus several days each week. All student applications for part-time and summer employment must be handled through the National Employment Service officer on this campus. Students desirous of part-time employment during the college year, and of Christmas employment should make appointments as early as possible after registration, for October and November. Those seeking summer employment should register early in January and watch for announcements from the National Employment Service office for employment opportunities with government departments, civil service, highways, summer resorts, customs, survey parties, etc.

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## ADMISSION REQUIREMENTS

All enquiries relating to admission to the College should be addressed to the Registrar.



1. **Qualification for Admission:** The minimum academic qualification for admission to the College is High School Graduation (University Programme) of the Province of British Columbia or its equivalent. This programme is approved by the Senate of the University for the purpose. No student will be admitted with incomplete or conditioned standing.

2. **Qualification for Admission by other than British Columbia Certificate:** A candidate who wishes to enter by certificate other than that issued by the Department of Education, British Columbia, should submit the original documents to the Registrar. He should not come to the College without having first obtained from the Registrar a statement of the value of the certificates he holds. Unless the applicant's diploma or certificate shows the gradings obtained in the several subjects of the work taken, he must arrange to have a statement of his grades sent to the Registrar by the educational body issuing the diploma or certificate.

3. **Admission with Advanced Standing:**

(a) **Senior Matriculation:** A student, qualified for admission, who has passed Grade XIII (Senior Matriculation) Examinations of British Columbia or their equivalent, may be given credit in the subjects passed, but only in the First Year in the Faculty of Arts and Science, the Faculty and College of Education, or the Faculty of Agriculture, and only insofar as these subjects meet the requirements of the First Year. No credit will be given for Senior Matriculation subjects passed subsequent to successful completion of a full year or equivalent of university studies, nor will subjects of the First Year completed prior to subjects of Senior Matriculation be transferred to a higher year.

(b) **Other Universities:** A student of another university applying for admission or for exemption in any subject or subjects is required to submit to the Registrar an official transcript of his record at the other university showing the subjects taken with the standing obtained in each. He may also be required to submit a detailed outline of each subject in the programme of courses he has followed, together with a copy of the calendar or catalogue of the university concerned.

4. **Students from Other Countries:** A student from a country where English is not the common language must satisfy the Registrar that his knowledge of English is adequate to permit the successful pursuit of his studies.

5. **Limitation of Attendance:**

(a) The College reserves the right to limit attendance, and to limit the registration in, or to cancel or revise any of the courses listed. The curricula described in the following pages may also be changed from time to time, as deemed advisable by the Senate of the University.

(b) Except in special circumstances, no student under the age of sixteen is admitted to the College.

6. **Matriculation Requirements:** The High School Graduation (University Programme) and Grade XIII (Senior Matriculation) Examinations of the Province of British Columbia are arranged by the High School and University Matriculation Board of the Province. All enquiries relating to these examinations should be addressed to Executive Secretary of the High School and University Matriculation Board, Division of Examinations, Department of Education, Victoria, B.C.

Students from outside of British Columbia must present evidence that their studies have been in an approved university entrance programme of their own province, state or country and, in addition, must meet all the subject matter and standing requirements of university matriculation as determined by the University of British Columbia.

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## REGISTRATION

Every student is required to state the names of all educational institutions of secondary or higher level attended and to submit evidence of the standing obtained at each.

1. **Registration for New Students:** As a preliminary step, a student applying for registration for the first time in the College must obtain from the Registrar's office an **Application for Admission** form. The completed form, together with necessary

certificates and a recent passport-type photograph of the applicant, should be submitted by September 1st in the case of a student proposing to attend the Winter Session and by May 6th for the Summer Session. Following receipt of this form the applicant will, in due course, be advised with respect to his admission and standing, and, if eligible, given instruction on procedure for completing registration.

**2. Re-Registration:** A student in the regular Winter Session will be sent an application for Re-Registration which should be completed and returned as early as possible before September 1st.

**Change of Programme:** A student who wishes to transfer to another Faculty or School within the College should notify the Registrar of his intention as early as possible.

**Supplemental Examinations:** If the results of supplemental examinations affect the eligibility of a student, he should obtain the results of the supplementals prior to application for re-registration.

**3. Completion of Registration:** Registration must be completed in person on the dates indicated in the Academic Year, page 5. Assessed fees are due and payable at the time of registration. No student will be permitted to complete registration until such fees have been paid.

Each student is required as part of his first application to furnish the information necessary for the College record, and to sign the following declaration:

"I hereby accept and submit myself to the statutes, rules and regulations, and ordinances of Victoria College, and of the faculty in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

In the first and each subsequent registration the student is required to enroll for the particular classes which he proposes to attend.

In the information furnished for the College records, the student is requested to indicate his religious denomination. This information is available upon request to the representatives of the denominations.

**4. Change in Registration:** A student desiring to make a change in the programme of courses for which he has registered must apply to the Registrar's office. Except in special circumstances, no change will be permitted after September 30th.

All other pertinent changes, including those in address and telephone number, must be reported promptly to the Registrar's office.

**5. Student Responsibility:** Each student is responsible for the completeness and accuracy of his registration. He must ensure that there is no discrepancy between the programme he is following and that entered on his course card in the Registrar's office.

A student may not take courses for which he has not registered, and may not drop courses without permission.

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## CLASSIFICATION OF UNDERGRADUATE STUDENTS

**1. Full Undergraduate:** a student proceeding to a degree in any faculty, who has passed all the examinations precedent to the year in which he is registered.

**2. Conditioned Undergraduate:** a student proceeding to a degree with defects in his standing which do not prevent his entering a higher year under the regulations governing Examinations and Advancement of the faculty in which he is registered.

**3. Occasional Student:** a student who has been granted permission to enrol in certain courses and attend classes on the understanding that he will not be entitled to credit towards a degree for any work taken.

This category includes the student who, because of maturity, has been permitted to enrol in spite of deficiencies in his formal academic record. In the event that he obtains sufficiently high standing and indicates his desire to proceed to a degree, he may later be given credit by the faculty concerned for all or part of the work taken.



## GRADUATION

Every candidate for a degree must make formal application for graduation. Application for graduation in the spring must be made not later than March 15th, and for graduation in the fall, not later than September 30th. Special forms for this purpose are provided by the Registrar's office. The names of successful candidates for degrees to be awarded in the fall will not be available until after the October Senate meeting.

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## ATTENDANCE

1. **Attendance at Lectures:** A student is required to attend at least seven-eighths of the lectures in each course for which he is enrolled. Admission to a lecture or laboratory and credit for attendance may be refused by the instructor for lateness, misconduct, inattention or neglect of duty.

2. **Deficient Attendance:** In case of deficient attendance a student may (with the sanction of the Principal and the head of the department concerned) be excluded from the Christmas or the final examination in a course; but, in the case of a final examination, unless the unexcused absences exceed one-fourth of the total number of lectures in a course, the student may be permitted to sit for the supplemental examination.

3. **Absence Consequent on Illness or Domestic Affliction:** Absences may be excused only by the Principal and medical certificates or other evidence must be presented for absence of three days or more.

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## EXAMINATION RESULTS

Results of the sessional examinations in April will be mailed to students in the graduating class and to other Arts and Science students about the middle of May. Education students will receive their statements of marks early in June.

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## TRANSCRIPT OF ACADEMIC RECORD

A transcript of a student's academic record will, on request of the student, be mailed direct to the institution or agency indicated in the request. Each transcript must include the student's complete record at the College. Since credit earned is determined on the results of the sessional examinations a transcript will not include results of Christmas or mid-term examinations.

Student records are confidential. Transcripts are issued only at the request of students or appropriate agencies or officials.

No transcript will be issued to or for a student who has not made arrangements satisfactory to the Accountant's office to meet any outstanding indebtedness.

**Granted Honourable Dismissal** indicates that the student is in no disciplinary difficulty at the time the transcript is issued; the term has no reference to scholastic status.

Application for a transcript should be made at least one week before the document is required.

Fees for transcripts of academic record: one copy free of charge at the completion of each year; three copies free of charge following graduation; additional copies supplied at a charge of 3 for \$1.00.

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## WITHDRAWAL

Any student who after registration decides to withdraw from the College must report to the Registrar's office. He will be required to obtain clearance from the College, to the satisfaction of the Registrar, before being granted **Honourable Dismissal** or recommended, where applicable, for refund of fees.

The College Council may require a student to withdraw from the College at any time for unsatisfactory conduct, for failure to abide by regulations, or for unsatisfactory progress in his programme of studies or training.

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### SUPPLEMENTAL EXAMINATION CENTRES

Supplemental examinations may be written in August at the following centres: Cranbrook, Dawson Creek, Kamloops, Kitimat, Ocean Falls, Penticton, Powell River, Prince George, Prince Rupert, Trail, Vancouver; and at Whitehorse, Y.T. Other centres outside of British Columbia are restricted to universities or their affiliated colleges.

In unusual circumstances a student working in a remote area may be permitted to write supplemental examinations at a special centre if satisfactory arrangements can be made. Since permission is contingent on completion of arrangements only early applications will be considered.

Supplemental examinations for Summer Session students are held on the second day of the Summer Session at the College. Arrangements may be made for these examinations to be held at the University.

The fee for each supplemental examination written at the College is \$7.50; at a regular outside centre, \$10.00; at a special centre, \$20.00. In the event that a candidate does not appear for an examination the refund will be \$5.00 only.

Applications for supplemental examinations in respect of the Winter Session examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

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### RE-READING OF EXAMINATION PAPERS

Re-readings, where permitted by the faculty concerned, are governed by the following regulations:

1. Any request for the re-reading of an answer paper other than for a supplemental examination (in which a request for a re-reading will not be granted), must reach the Registrar within two weeks after the announcement of examination results and must be accompanied by a fee for each paper of \$5.00, which will be refunded only if the mark is raised.

2. Each applicant for a re-reading must state clearly why he believes the content of his paper to deserve a mark higher than it received; pleas on compassionate grounds should not form part of this statement and prospective applicants should remember that a paper with less than a passing mark has been read at least a second time before results are announced.

3. Re-readings will not be permitted in more than two papers (6 units) in the work of one academic year, and in one paper (3 units) in a partial course of 9 units or less or in the work of one Summer Session.

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### FEES

1. The College reserves the right to change fees without notice.
2. All cheques must be certified and made payable to "Victoria College."
3. In the Winter Session, undergraduate students taking not less than 12 units are subject to the same fees as full-time students.

4. The schedules below for full-time and partial students give fees payable by students in each Winter Session, including the "Alma Mater" fee but not the "Graduating Class" fee.

5. The Alma Mater fee, authorized by Victoria College Council, is exacted from all students in the Winter Session for the support of the Alma Mater Society. This fee is \$24.00 for all students.

6. The Graduating Class fee, authorized by Victoria College Council, is exacted from all students in the winter session who are registered in the Final Year of a course leading to a Bachelor's degree. This fee of \$10.00 is for the support of the graduating class activities. Inquiries with respect to this fee should be directed to the Alma Mater Society.

7. In the Winter Session, no refund will be made for first term fees after October 28th, and for second term fees after January 27th. In the computation of refunds prior to these dates an amount of \$11 (\$10 tuition fee; \$1 Alma Mater fee) will be charged for each week, or part of a week, prior to the date on which the student notifies the Registrar officially of his cancellation of registration, or his withdrawal from the College. Application for a refund must be made to the Accountant within a two-week period after the student has discontinued his work.

8. The first term fees must be fully paid before registration is accepted. Students are not entitled to admission to classes until they have registered. The second term fees become due and payable in full on the first day of lectures of the second term; students are advised to mail cheques for second term fees to the Accountant's Office before this date to avoid queuing at the cashier's desk.

9. Fees are not transferable from one session to another.

10. The holder of a scholarship or bursary issued by or through the College must pay the balance of the first term fees on registration, if the first instalment of the scholarship or bursary is less than the first term fees; if the second instalment is less than the second term fees, he must pay the difference on or before the first day of lectures in the second term. If the first instalment of a scholarship or bursary exceeds the first term fees, the balance will be applied to the second term fees.

11. A student whose second term fees are not fully paid by January 13th will be excluded from classes and his registration cancelled.

12. If a student, whose registration has been cancelled because of non-payment of fees, applies for reinstatement and his reinstatement has been approved by the Principal, he will be required to pay a reinstatement fee of \$10.00 together with all other outstanding fees before he is permitted to resume classes.

13. When permission to register late is granted a late fee of \$20.00, additional to all other fees, will be charged. This fee must be paid at the time of registration together with the first term fees.

14. Students who incur Library fines will receive bills payable to the Accountant.

15. All students registering for Chemistry are required to pay \$3.00 Chemistry Laboratory fee.

16. Students in the College of Education are required to purchase, through the Book Store, gymnasium equipment costing approximately \$6.00.

#### Full-time Students

First Term Fees—Payable in full at the time of registration.

Second Term Fees—Payable in full on or before the first day of lectures in the second term. Students are advised to mail cheques for second term fees to the Accounting Office to avoid queuing at the cashier's desk.

Faculty and Course:	1st Term	2nd Term	Total
Arts and Science (B.A. or B.Sc.) .....	\$185.00	\$161.00	\$346.00
Commerce (B.Com.) .....	210.00	186.00	396.00
Education (B.Ed.) .....	185.00	161.00	346.00

#### Partial Students

1. For a course of 12 units or more:  
The same as for full-time students.

2. For a course of less than 12 units:

First Term—Fully payable at the time of registration:

Alma Mater fee .....	\$24.00
Sessional fee per unit .....	11.00



Second Term—Fully payable on or before the first day of lectures of the second term:

Sessional fee per unit ..... 11.00

#### Extra-Sessional Courses

First Term—Fully payable at the time of registration:

Sessional fee per unit .....\$11.00

Second Term—Fully payable at time of registration (by cheque post-dated to January 3, 1962, if preferred):

Sessional fee per unit .....11.00

Late Registration Fee ..... 5.00

Students who withdraw from a credit course should notify the Registrar immediately in writing. Otherwise, full fees will be assessed and applications for re-registration will not be accepted until accounts are settled in full.

#### Summer Session

Fees payable on registration:

Per unit .....\$22.00

Late Registration Fee ..... 10.00

#### Special Fees

For late registration, Winter Session .....\$20.00

For late registration, Extra-Sessional ..... 5.00

For late registration, Summer Session ..... 10.00

For reinstatement after cancellation of registration ..... 10.00

\*Regular supplemental examination, per paper ..... 7.50

\*Supplemental examination at regular centres, per paper ..... 10.00

Supplemental examination at special centres, per paper ..... 20.00

Re-reading, per paper ..... 5.00

\* Supplemental examination fees in respect to winter session supplementals must be paid when application for examination is made and not later than July 15th. Special examination fees and fees for re-reading are payable with application.

Fees for transcripts of academic record: one copy free of charge at the completion of each year; three copies free of charge following graduation; additional copies supplied at a charge of 3 for \$1.00.

## SCHOLARSHIPS AND PRIZES

### General Regulations

To be eligible for a general proficiency scholarship a student must take the full year's course, which must include the required courses for the year in which he is registered. Where credit has already been obtained in a required subject, however, another course may be substituted, with the permission of Faculty.

The standing of students taking more than the required number of units will be determined on the basis of the required number of units to be chosen in a manner most advantageous to the students.

The Committee on Prizes and Scholarships reserves the right to limit the amount of money retained by a student and/or to reassign scholarships (by reversion).

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**PERCY H. ELLIOTT MEMORIAL SCHOLARSHIP**—One hundred and thirty dollars (\$130) awarded to a student of outstanding merit and promise in one specific field of study, who has also a high general academic standing, and qualities of character indicating worthiness to hold the scholarship. The scholarship is awarded, upon the recommendation of a Staff Committee, to a student in the First or Second Year and, unless service in the Armed Forces intervenes, proceeding immediately towards a University degree.

**ROYAL INSTITUTION AND FRANK EATON MEMORIAL SCHOLARSHIP**—Fifty dollars (\$50) awarded to the student taking the highest standing in English of the second year.

**ALLIANCE FRANCAISE PRIZE**—One hundred dollars (\$100) awarded to the student in the second year who has made the most progress in French and who intends to continue university work in this subject.

**T. EATON COMPANY (Canada) LTD. SCHOLARSHIP**—Two hundred dollars (\$200) awarded to a first year student of high standing in Mathematics 101 or 120, and, preferably, with a first-class average. The winner must continue at Victoria College.

**KIWANIS SCHOLARSHIP**—Two hundred and fifty dollars (\$250) awarded to a man student completing the first year and entering the second year at Victoria College. Selection of the recipient to be made by the Kiwanis Club of Victoria in conference with the College Faculty.

**QUITA NICHOL BURSARIES**—Two hundred dollars (\$200) donated annually to Victoria College by Mrs. W. C. Nichol, to provide scholarships in first and second year French. Two prizes of \$100 and \$50, respectively, will be awarded in the first year, and one prize of \$50 in the second year. These prizes are normally awarded on merit, but, if necessary, special circumstances may be taken into consideration. Students must continue at Victoria College for their second year or the University of British Columbia for their third year.

**UNIVERSITY WOMEN'S CLUB SCHOLARSHIP**—Two hundred dollars (\$200) awarded to the woman student taking the highest standing in her first year of Arts and Science, and continuing her course in the second year at Victoria College or at any other university, provided the course desired is not available at Victoria College. When a student wishes to attend a university outside Canada, the reasons for such attendance should be submitted to the Executive of the University Women's Club for approval.

**THE KATHLEEN AGNEW SCHOLARSHIP**—One hundred and fifty dollars (\$150) donated for the purpose of stimulating the study of the History of Canada.

**SIDNEY ROOFING AND PAPER COMPANY SCHOLARSHIP**—Two hundred and fifty dollars (\$250) awarded to the leading student of the second year, on condition that he continues his university studies without interruption in the third year.

**THE BRITISH AMERICA PAINT COMPANY SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to the leader of Second Year Chemistry.



**VICTORIA GYRO CLUB SCHOLARSHIP**—Two hundred dollars (\$200) awarded annually to a male student completing his first year at Victoria College. The recipient is to be selected annually by a committee of the Gyro Club, upon the recommendation of the Principal of Victoria College, on the basis of qualities of leadership, distinction of mind, and merit in games.

**THE BRITISH COLUMBIA ELECTRIC COMPANY, LIMITED, SCHOLARSHIP**—Two hundred and fifty dollars (\$250) awarded to the student with the highest standing who is proceeding, without interruption, to a degree in Science or Engineering.

**KINSMEN CLUB OF VICTORIA SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to a student of Victoria College. The recipient is to be selected by a committee of the Kinsmen Club, on the basis of outstanding scholastic ability and promise, upon the recommendation of the College Faculty.

**ESTHER PEARCE MEMORIAL PRIZE**—Fifty dollars (\$50) awarded annually by Chapter N, P.E.O. Sisterhood, to a woman student in First Year for excellence in English.

**JOHN WESLEY AND EMILY E. CHURCH MEMORIAL SCHOLARSHIP**—One hundred dollars (\$100) awarded annually by Mr. W. J. V. Church and Mr. C. A. J. Church to the student winning highest standing in Latin (Latin 90 or Latin 110 or 120), or in Greek, or in Latin and Greek, in the first year, and continuing with the subject (or subjects) in the second year at Victoria College.

**LIONS CLUB SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to the student obtaining the highest standing in Zoology 105 or Botany 105 and Chemistry 101 or 102, and continuing similar work in the Second Year at Victoria College.

**BRITISH COLUMBIA CEMENT COMPANY, LIMITED, SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to the student in First Year who obtains the highest standing in Chemistry and who intends to continue studies at Victoria College or at any other university.

**THE ARTHUR S. DENNY SCHOLARSHIP**—One hundred dollars (\$100) awarded annually by the Standard Furniture Company to the leader of the First Year Commerce Course proceeding to Second Year Commerce at the University of British Columbia.

**THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED PROFICIENCY SCHOLARSHIPS**—Five scholarships of \$200 each, the gift of the British Columbia Electric Company Limited, will be awarded annually to students of the University or Victoria College, who are proceeding to further undergraduate work in any faculty of this University. These awards will be made, on the basis of proficiency, to students with outstanding records of scholastic achievement.

**CAMOSUN GYRO CLUB SCHOLARSHIP**—The Camosun Gyro Club of Victoria will present a scholarship in the amount of \$50 annually to a promising and deserving student of the First Year at Victoria College going into Second Year. The selection of the candidate shall be left to the discretion of the Victoria College Scholarship Committee.

**THE MADAME SANDERSON MEMORIAL SCHOLARSHIP**—Fifty dollars (\$50) offered annually to a promising student of Victoria College for excellence in English and French of the Second Year.

**THE BRITISH COLUMBIA TELEPHONE COMPANY SCHOLARSHIP**—One hundred dollars (\$100) awarded to a student of First or Second Year for excellence in Physics. The winner must continue University studies.

**THE BENNY NICHOLAS MEMORIAL AWARD**—One hundred dollars (\$100) presented annually by the Victoria Daily Times to the student who submits the best essay, poem, play or article.

THE ISLAND TUG AND BARGE, LIMITED, SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded annually to the student leading courses numbered 200 in any two of the following departments: Botany, Chemistry, Geography, Geology, Mathematics, Physics, Zoology. The winner must continue his academic work at an approved university.

VICTORIA MUNICIPAL CHAPTER, I.O.D.E., GOLDEN JUBILEE SCHOLARSHIP—One hundred dollars (\$100) awarded to the top Second Year student in Canadian History.

THE FRED SPENCER SCHOLARSHIP—One hundred dollars (\$100) presented annually by Spencer's Stores Limited to an outstanding First Year student who is planning a business career and who is either continuing his studies at a recognized university or is articled to a chartered accountant. The candidate is to be selected by the Victoria College Committee on Prizes and Scholarships.

THE VANCOUVER ISLAND BRANCH, ENGINEERING INSTITUTE OF CANADA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to an outstanding student proceeding into Engineering at an approved university. The award is to be made by the Committee on Prizes and Scholarships at Victoria College.

THE VICTORIA COUNCIL, UNITED COMMERCIAL TRAVELLERS OF AMERICA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leading student of the Humanities in the Second Year. The winner must continue university studies.

THE YARROWS LIMITED BURSARY—One hundred and fifty dollars (\$150) awarded annually to a very worthy student continuing university studies, with preference given to a student planning to take up engineering as a profession.

THE ALAN PRATT MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded annually to a student with broad interests completing Second Year.

THE HON. AND MRS. G. R. PEARKES PRIZE—Fifty dollars (\$50) to be awarded annually by the Hon. and Mrs. Pearkes to the student who has taken Service Training and has highest academic standing among those returning to Victoria College.

THE HAROLD M. DIGGON MEMORIAL BURSARY—Two hundred dollars (\$200) to be awarded annually by Mrs. Lucy E. Diggon to a promising and deserving student of the Humanities who has completed Second Year at Victoria College and who intends to continue University studies.

THE LADIES' AUXILIARY OF VICTORIA UNIT No. 12, ARMY, NAVY AND AIR FORCE VETERANS OF CANADA, GENERAL PROFICIENCY SCHOLARSHIPS—Two scholarships of one hundred dollars (\$100) each to be awarded annually to a deserving woman and to a deserving man completing First Year and continuing University studies.

THE P. H. B. DAWSON BURSARY—Two hundred dollars (\$200) awarded annually by Mr. P. H. B. Dawson to an outstanding student of Victoria College who intends to continue University studies.

THE WESTON BAKERIES, LIMITED, SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to a deserving student completing First or Second Year at Victoria College and continuing University studies.

THE WOODWARD STORES, LIMITED, SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to an outstanding student completing First or Second Year at Victoria College and continuing University studies.

THE VICTORIA MEDICAL SOCIETY SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to a Second Year student of outstanding merit and promise, who has a high general academic standing and qualities of character indicating worthiness to hold the scholarship. Selection of the student will be made by the Faculty of Victoria College.

**RITHET CONSOLIDATED LIMITED BURSARY**—One hundred dollars (\$100) to be offered to a promising student registered at Victoria College and continuing academic studies. Selection of the student will be made by the Faculty Committee on Prizes and Scholarships.

**THE TRI-SERVICES UNIVERSITY TRAINING SCHOLARSHIPS**—Four scholarships of \$150 each, established by the Tri-Services Committee, are offered to students enrolled in the University Naval Training Division, the Canadian Officers' Training Corps, and the R.C.A.F. Reserve University Squadron on the campus. Of these scholarships one will be available to the members of each of the three units and one to the combined membership. To be eligible for the awards candidates must have completed at least the first phase of their practical and theoretical training with the units concerned and be proceeding with their University studies. Winners will be selected by the Scholarship Committee of the University, in consultation with the Commanding Officers of the units, on the basis of academic proficiency and on qualities of leadership as exhibited in the training programmes. Financial circumstances of candidates may, however, also be considered. If no candidate is considered to be sufficiently well qualified the awards may be withheld.

**BRAND'S RESTAURANT SCHOLARSHIP**—Fifty dollars (\$50) to be awarded annually to an outstanding and promising student completing First Year and proceeding to Second Year at Victoria College.

**VICTORIA ROTARY CLUB SCHOLARSHIP**—One hundred and fifty dollars (\$150) to be awarded to the student taking the highest standing in First Year English.

**THE CHARLES E. (CHUCK) COPELAND MEMORIAL SCHOLARSHIP**—One hundred dollars (\$100) to be awarded annually by Mrs. C. E. Copeland, Senior, in memory of her son Charles E. (Chuck) Copeland, to a promising and sincere student who is entering Second, Third or Fourth Year at Victoria College.

**THE BRITISH COLUMBIA 1958 CENTENNIAL SCHOLARSHIP**—Five hundred dollars (\$500) to be awarded annually to a student who has completed at least one year at Victoria College and who is continuing University studies in the Province of British Columbia. The award will be made on the basis of scholastic achievement and effective participation in campus activities.

**THE WEBER MEMORIAL BURSARY**—One hundred dollars (\$100) to be awarded annually in memory of Mr. and Mrs. E. Weber, to the most deserving student in the Third Year at Victoria College. Academic standing, citizenship and need are all to be taken into consideration, and the award is to be made by the Committee on Prizes and Scholarships of Victoria College.

**VICTORIA GAS COMPANY CENTENNIAL SCHOLARSHIPS**—The British Columbia Electric Company Limited, to commemorate the centennial of Victoria Gas Company Limited, which, as its oldest subsidiary company, was incorporated in Victoria in 1860, has established three scholarships of \$250.00 each to be awarded for general proficiency to Victoria College students who have completed at least one year at Victoria College and who intend to continue university studies in Victoria.

**THE ROTARY CLUB OF DOUGLAS (VICTORIA) SCHOLARSHIP**—One hundred dollars (\$100) to be awarded annually to the full-time Third Year student of Victoria College who obtains the highest standing in two upper year Psychology courses and is continuing studies at the College or at some other recognized university.

**FRANCIS GOLD WRIST WATCH**—To be presented each year by F. W. Francis, Ltd., to the student obtaining the highest average on the Sessional Examinations, with the provision that no student win it more than once.

**BIRKS GOLD WATCH**—Offered by Henry Birks & Sons (B.C.) Ltd., of Victoria, and awarded annually to a first-class student who has, in the opinion of the committee on Prizes and Scholarships, made a valuable contribution to student life.



ROSE'S LIMITED JEWELERS WATCH—To be awarded annually to the leading student in the College of Education at Victoria College.

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Scholarships for which application must be made at Victoria College:

THE CANADIAN LEGION, B.E.S.L. (VICTORIA, B.C.) SIR PERCY LAKE MEMORIAL SCHOLARSHIP—Three hundred dollars (\$300) to be awarded annually to a worthy student of Victoria College on the recommendation of the Faculty. To be eligible, a student must be a veteran of World War II, or a son or daughter of a veteran of World War II or World War I, or the wife or widow of a veteran of World War II, and must continue his or her studies.

VICTORIA MUNICIPAL CHAPTER IMPERIAL ORDER OF THE DAUGHTERS OF THE EMPIRE SCHOLARSHIP—Seventy-five dollars (\$75) awarded annually to a first year student who is the child of a veteran of World War I or World War II. The recipient of the Scholarship must be recommended for general proficiency and worth by the College Faculty, and must continue university work into the second year.

KER SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded to a student in the first year who is proceeding to the second year either at Victoria College or a Canadian university. The applicant must have been a cadet (Sea, Army or Air) for at least two years during his last three years of high school. If there be no such applicant, the Committee on Prizes and Scholarships may recommend for the award a student who has satisfactorily completed first or second year at Victoria College and is enrolled for service in one of the University training units. Application, together with a certificate from the Cadet unit concerned, must be made not later than April 30th. Selection of the winner is to be made by Faculty in consultation with the donor, Mr. R. H. B. Ker.

HUDSON BAY COMPANY SERVICE AWARD—A two-year Service Award offered by the Hudson's Bay Company (Victoria) is open in competition to students completing (a) First Year Commerce or (b) Second Year Arts and proceeding to a higher year. Preference will be given to students interested in Department Store Careers. To be eligible for this award applicants must qualify in respect to academic standing, ability, aptitude, and personality, and should be considering possible employment with the Hudson's Bay Company on graduation. Under the terms of the award whereby tuition fees will be paid and employment with the Hudson's Bay Company guaranteed during Christmas and Summer vacations and at other times such as Saturdays, one of the following plans will be followed: (a) For a Victoria College Second Year Arts student tuition will be paid for Third and Fourth years toward successful completion of the B.A. degree at Victoria College; (b) For a Victoria College Commerce student completing First Year Commerce, tuition fees will be paid for Second and Third Year Commerce at U.B.C., with a possible continuation, or renewal of award for final year Commerce studies toward successful completion of Bachelor of Commerce degree. Subject to satisfactory performance, a winner will, on graduation, be given an opportunity for an executive career with the Company. Interested students should apply at the office of the Supervisor of Counselling not later than February 15th.

VICTORIA UNIT No. 12, ARMY, NAVY AND AIR FORCE VETERANS IN CANADA, GENERAL PROFICIENCY SCHOLARSHIPS—Two scholarships of one hundred dollars (\$100) each, to be awarded annually to students registered in First or Second Year at Victoria College. Selections will be made by the Victoria College Scholarship Committee on the basis of applications submitted after registration has been completed at the beginning of each academic year. Preference will be given to sons and daughters of veterans and particularly of those of the Army, Navy and Air Force Veterans Association, also to those who are not in receipt of any other scholarships.

VICTORIA WEST PARENT-TEACHER ASSOCIATION SCHOLARSHIP—Fifty dollars (\$50) to be awarded for the Session 1960-61 to a student entering his Second Year at Victoria College who has taken the major portion of his elementary education at Victoria West Elementary School. Application to be made to the Scholarship Committee of Victoria College by October 1, 1961.

CANADIAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION AND RECREATION, INC. (GREATER VICTORIA BRANCH)—One hundred dollars (\$100) to be awarded annually to a student of Victoria College who has completed First Year and is proceeding to either a B.Ed. degree with a Major in P.E. or to a B.P.E. degree. Applicants should further demonstrate a need for assistance, and show evidence of a particular interest and aptitude in P.E. and general proficiency in academic work. Selection of candidates is to be made by the C.A.H.P.E.R. Scholarship Committee on the basis of applications submitted to the Victoria College Scholarship Committee before October 10th in each academic year.

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**Scholarships available only for students in the College of Education:**

THE CLEARIHUE BURSARY—Three hundred dollars (\$300) awarded annually by Judge and Mrs. J. B. Clearihue to a promising and deserving student in the College of Education, who shows promise and has at least a good second class average.

THE OPT. MRS. CLUB BURSARY of \$150 awarded annually to a deserving student desirous of education in Teacher Training at the College of Education.

OAK BAY KIWANIS SCHOLARSHIP—One hundred dollars (\$100) offered annually to a Victoria College student who has completed with distinction the first year of Teacher Education, and who intends to proceed with second year in the College of Education at Victoria College.

THE ROSALIND W. YOUNG SCHOLARSHIP—One hundred dollars (\$100) to be awarded annually by the University Women's Club of Victoria to the leading woman in First Year Education who is continuing University studies.

THE YORKSHIRE AND CANADIAN TRUST LIMITED SCHOLARSHIP—One hundred and seventy-five dollars (\$175) awarded annually to an outstanding student of Victoria College who is registered in the College of Education. The winner must be continuing university studies leading to a B.Ed. degree. Selection will be made by the Committee on Prizes and Scholarships at Victoria College.

THE BRITISH COLUMBIA TEACHERS' FEDERATION SCHOLARSHIPS IN TEACHER TRAINING—The following scholarships, the gift of the British Columbia Teachers' Federation, are offered annually to students proceeding to a degree or certificate in the field of elementary or secondary school teaching.

- (1) Two scholarships of \$250 each, available to students continuing in the College of Education, either in Vancouver or Victoria, from Grade XIII or First Year University.
- (2) Two scholarships of \$250 each, available to students continuing in the Third Year in the College of Education. Students from Victoria College are eligible for these awards.

All awards will be made on the basis of academic standing, personal qualities, and aptitude for and interest in teaching. To be eligible for the scholarships in (2) above, students must have achieved First Class standing in practice teaching. Applications, on forms available from the Dean of Inter-Faculty Affairs, must be submitted to the University not later than May 15th.

THE BRITISH COLUMBIA TEACHERS' FEDERATION UNDERGRADUATE SCHOLARSHIPS FOR TEACHERS—The British Columbia Teachers' Federation offers annually six scholarships tenable at the University of British Columbia or at Victoria College. An applicant must be actively engaged in teaching in the Province, must hold a B.C. Teaching Certificate, must have high academic standing (an overall average of at least Second Class, in terms of University of British Columbia grades, with First Class in the particular area or areas in which he proposes to major), and must give assurance of returning to educational service in British Columbia on completion of his University studies. The awards are of two types: (a) two scholarships of \$1500 each for teachers taking leave of absence to proceed in a full programme of studies in the regular winter session toward a B.Ed. degree. One scholarship is for the elementary field, the other



for the secondary field. (b) Four scholarships of \$250 each for teachers proceeding in a full programme of studies in the summer session toward the B.Ed. degree. Two of the scholarships are for the elementary field and two for the secondary field. The completed application form and all necessary documents must be received by Dean Walter H. Gage, University of British Columbia, Vancouver 8, B.C., not later than March 15th.

**THE DR. H. B. KING MEMORIAL SCHOLARSHIP IN EDUCATION**—This scholarship of \$150 has been established by the B.C. Association of District Superintendents and Inspectors of Schools as a memorial to Dr. H. B. King, who from 1939 to 1945 was Chief Inspector of Schools for British Columbia. For many years prior to 1939 Dr. King also served the Province of British Columbia with distinction and devotion as a teacher and principal, and as a technical adviser with the Department of Education. This scholarship will be awarded to a student who is proceeding to a degree or certificate in the teaching field and is taking a full course in the Second Year at the College of Education (Vancouver or Victoria). The award will be made on the basis of academic standing, personal qualities, interest and participation in school and community affairs, aptitude for teaching, and other factors. Applications, on forms obtainable from the Dean of Inter-Faculty Affairs must be submitted to the University not later than May 15th.

**THE WILLIAM A. AND FRANCES E. HARPER SCHOLARSHIP**—Seventy-five dollars (\$75.00) to be awarded annually to a deserving and promising student in the College of Education at Victoria College.

**THE MARIAN D. JAMES MEMORIAL AWARD**—Fifty dollars (\$50.00) to be presented annually by the Victoria Branch, Association of Childhood Education International, to a student in the College of Education who has shown outstanding ability in practice teaching, who has high academic standing in the field of kindergarten or primary education and who will be continuing her studies in this field.

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#### GOVERNMENT OF BRITISH COLUMBIA SCHOLARSHIPS

These awards are available to students of the Province of British Columbia who are beginning or continuing a full programme of undergraduate studies at the University of British Columbia or Victoria College, or in Grade XIII in a public high school of the Province. Students taking the one-year teacher training course for graduates, the one-year course in Librarianship, and the First Year of Social Work are also eligible. Candidates for awards applicable to the session 1961-62 will be considered on the basis of standing received in the final examinations (excluding supplementals) for the session 1960-61 in a full year's work. Candidates in the University of British Columbia or Victoria College must take the final written examinations conducted by the University or College in April; those in Grade XII or XIII must write the examinations conducted in June by the Department of Education, B.C. Candidates will be considered only if they fulfill requirements of being domiciled in British Columbia, to the satisfaction of the Government Awards Committee. Eligible applicants who obtain First Class standing (an overall average of at least 80%) will receive a grant of one-half the tuition fee. Awards, amounting to one-third the tuition fee, will also be made to the top Second Class students, up to the number of two thousand. All candidates must submit applications on special forms. Fuller and more precise details concerning these awards are available in a special circular issued by the Department of Education, B.C. Students at the College must apply through the College before July 10th; High School students must apply through their schools before June 1st.

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The following scholarships are open to students who have completed University Entrance and are proceeding to Victoria College.

**CECILIA GREEN MEMORIAL SCHOLARSHIP**—One hundred dollars (\$100) awarded to the first ranking student from Victoria High School in the University Entrance Examinations who has not already merited another award. The recipient must attend Victoria College or the University of British Columbia.

**VICTORIA WOMEN'S CANADIAN CLUB SCHOLARSHIPS**—(1) One hundred and fifty dollars (\$150) awarded to the female student attending a public high school in Greater Victoria School District (No. 61) who makes the highest standing in the University Entrance Examination, held in June, and registering for a full first year course in Victoria College or the University of British Columbia, the following September.

(2) One hundred and fifty dollars (\$150) awarded to the male student in Greater Victoria School District making the highest standing in the same examination and under the same conditions. Should the student, in either case, be awarded a scholarship from any other source, the Club Scholarships shall then revert to the student having the next highest standing.

**UNIVERSITY SCHOLARSHIPS FOR UNIVERSITY ENTRANCE**, School District No. 61, and School Districts Nos. 62-74—Two general proficiency scholarships of two hundred and twenty-five dollars (\$225) will be awarded on the results of the High School Graduation (University Programme) Examinations. The winners must attend either the University of British Columbia or Victoria College (District 61-66 only).

**THE CHRIS SPENCER FOUNDATION SCHOLARSHIPS FOR UNIVERSITY ENTRANCE**—Two scholarships of \$275 each, the gift of the Chris Spencer Foundation, will be awarded to the candidates selected by the University to receive the University Scholarships for University Entrance described above. Through this gift each of the winners will therefore receive a total scholarship of \$500. These supplementary scholarships are subject to the same conditions and regulations as those governing the University Scholarships for University Entrance.

**THE CHRIS SPENCER FOUNDATION SPECIAL SCHOLARSHIPS**—Two scholarships, each of the value of \$500 a year and renewable annually for a maximum of five years (to a total of \$2500), are offered to students entering the University of British Columbia or Victoria College from Grades XII or XIII and proceeding to a degree at this University. These scholarships, the gift of Chris Spencer Foundation, are available only to students whose ordinary private domicile, home, or residence is in the province of British Columbia. Applicants will require high scholastic standing. They will be considered, not only on the basis of this standing, but also on their interest and participation in activities such as sports, student government, youth groups in and out of school, and fine arts and music. Special attention will be given to the qualities developed through these activities and of indication during the period of high school, of moral force of character and of instincts to lead and take an interest in classmates. Students holding these scholarships in any year of their course will be permitted to retain them for the following year only provided they obtain an average of at least 80% in the Sessional examinations or rank in the upper 10% of their class (i.e. the year and faculty in which they are registered). Selection of applicants will be made by a committee representing the Foundation and the University. Applications, on forms obtainable from the office of the Dean of Inter-Faculty Affairs, should be received by April 15th, and cannot be accepted after May 1st.

**THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED SPECIAL SCHOLARSHIPS**—Five scholarships of not less than \$200 each are offered annually by the British Columbia Electric Company Limited to sons and daughters of employees of the Company who are beginning or continuing their undergraduate studies in any faculty at the University. Winners of scholarships, however, whose homes are in Victoria or its vicinity may, if they wish, attend Victoria College. These scholarships will be awarded on the recommendation of the Joint Faculty Committee on Prizes, Scholarships and Bursaries to applicants who have outstanding records of scholastic achievement and are deserving of financial assistance. Application must be made to the Dean of Inter-Faculty Affairs not later than August 1st. Applications should state particulars of family service with the Company.

**BRITISH COLUMBIA FOREST PRODUCTS LIMITED ENTRANCE SCHOLARSHIPS**—Eight scholarships of \$300 each are offered by British Columbia Forest Products Limited to sons and daughters of employees who, by June 30th of the year in which the award is made, have or will have served the Company for at least one year. They are open to students proceeding in the fall from Grade XII



or Grade XIII to a full course of studies at the University of British Columbia (or Victoria College). Candidates for these scholarships must write a full set of scholarship examinations conducted in June by the Department of Education, B.C. The scholarships will be awarded to the eight candidates obtaining highest standing. No award will be made, however, to an applicant with an overall average of less than 70%. Applicants for these scholarships must complete the General Application for Scholarship form, which may be obtained from the Dean of Inter-Faculty Affairs, University of B.C. This application must be received by the University not later than May 15th and must contain the necessary details of family service with the Company. Before June 1st they must also complete and submit, through the school principal, the special form required by the Department of Education from all those writing the scholarship examinations.

**THE FEDERATION OF TELEPHONE WORKERS OF BRITISH COLUMBIA, PLANT DIVISION SCHOLARSHIP**—The Federation of Telephone Workers of British Columbia, Plant Division, offers a scholarship of \$500 to sons and daughters of members (with at least twelve months' continuous service) or of deceased members (with the same service). It is open in competition to students proceeding in the fall from Grade XII or XIII in high school to a full programme of studies at the University of British Columbia or Victoria College. To be eligible for consideration a candidate must have an overall average of at least 70% in the subjects of the grade in which he or she is registered. Candidates in Grade XIII will be considered on the basis of standing obtained in the Departmental Examinations written in June; those in Grade XII will be considered on the basis either of standing received by recommendation or in the June Departmental Examinations. The winner will be selected by the University, in consultation with the Federation, from those who so qualify. In the final selection, a major factor will be the financial circumstances of applicants and their families. All candidates must apply to the University not later than May 15th by completing the "General Application for Scholarship" form. Applications should contain details of family service with the Federation and other pertinent information.

**U.B.C. ALUMNI ASSOCIATION REGIONAL SCHOLARSHIPS**—Alumni contributions to the Annual Giving Programme of the U.B.C. Development Fund have made possible the establishment of twenty-two regional U.B.C. Alumni Association Scholarships of \$300 each. These scholarships are available to students proceeding from Grade XII (High School Graduation, University Programme) or Grade XIII to the University of British Columbia or Victoria College. At least one scholarship will be awarded in each of the following regions; (1) East Kootenay; (2) West Kootenay; (3) South Okanagan and Boundary; (4) North Okanagan and Thompson; (5) Skeena; (6) North Central B.C.; (7) Greater Vancouver and Howe Sound; (8) New Westminster and Fraser Valley; (9) Greater Victoria and Lower Vancouver Island; (10) Upper Vancouver Island and Powell River. Six other scholarships will be awarded at large. Winners will be selected by a special committee representing the University and the Alumni Association. Application forms may be obtained from Dean Walter H. Gage, University of B.C., Vancouver 8, B.C., and completed application forms should be received by April 15th, and cannot be accepted after May 1st. All applicants must write a full set of High School Graduation (University Programme) or Grade XIII examinations conducted by the Department of Education, British Columbia, in June.

**THE VANCOUVER SUN SCHOLARSHIPS FOR CARRIERS**—The Vancouver Sun offers annually two scholarships of \$500 each to students proceeding in the fall from Grade XII to the First Year at the University of British Columbia (or Victoria College), in a full programme leading to a degree in any field. To be eligible applicants must have been carriers of The Vancouver Sun for at least two years. The scholarships will be awarded to the two applicants who rank highest on the basis of the marks obtained in the written examinations for High School Graduation (University Programme), conducted in June by the Department of Education, B.C. Applicants must write a full set of examinations in the scholarship subjects prescribed by regulations of the Department and the University. Winners who obtain and maintain First Class standing (or who, in successive years of their undergraduate course, rank in the top 10% of the Faculty and Year in which they are registered) will be eligible for renewals of \$500 a year until graduation, not exceeding a total of five payments in all. Selection of the winners will be made by the University. A student who wishes to be con-



sidered for one of these scholarships must apply by letter to Dean Walter Gage, University of British Columbia, Vancouver 8, B.C., not later than May 15th. The letter of application must be accompanied by the service certificate of the Vancouver Sun. The winner of one of these scholarships, while not also permitted to hold The Vancouver Sun Special Scholarship for Carriers may, however, accept other awards offered to him.

**THE VANCOUVER SUN SPECIAL SCHOLARSHIP FOR CARRIERS**—The Vancouver Sun offers annually a scholarship of \$500 to students proceeding in the fall from Grade XII to the First Year at the University of British Columbia (or Victoria College), in a full programme leading to a degree in any field. To be eligible an applicant must have been a carrier for the Vancouver Sun for at least two years, and must take the written examinations for High School Graduation (University Programme), conducted in June by the Department of Education, B.C. All applicants must write a full set of examinations in the scholarship subjects prescribed by the regulations of the Department and the University. An applicant will be considered only if he obtains an overall average of at least 75%. The scholarship will be awarded to the eligible applicant who, in the opinion of the University is the most outstanding in combining high scholastic attainment with achievement in one or more areas such as service to the school and community, writing, drama, fine arts; debating and public speaking; sports. A winner who, in successive years of his undergraduate course, obtains and maintains First Class standing (or ranks in the top 10% of the Year and Faculty in which he is registered) will be eligible for renewals of \$500 a year until graduation, not exceeding a total of five payments in all. All candidates must complete the "General Application for Scholarship Form" obtainable from Dean Walter H. Gage, University of B.C., Vancouver 8, B.C. The completed application, accompanied by the service certificate of The Vancouver Sun must be received by the University not later than May 15th. Candidates will be judged on the basis of their examination grades, their personal letters (see application form for details), and letters of recommendation from their references. The winner of this scholarship, while not also permitted to hold one of the Vancouver Sun Scholarships for Carriers, may accept other awards offered to him.

**THE YARROWS LIMITED ENTRANCE SCHOLARSHIP**—A scholarship of \$1000 for sons, daughters, or legal dependents of employees of Yarrows Limited, Victoria, is offered annually under terms and conditions identical to those of the Burrard Dry Dock Company Limited Scholarship. If the winner so desires, however, attendance at Victoria College will be accepted in lieu of attendance at the University. Candidates must apply on special forms which may be obtained from, and must be returned to, Yarrows Limited before May 30th. Selection of the winner will be made by the University in consultation with Victoria College.

**HON. W. C. WOODWARD UNIVERSITY MEMORIAL SCHOLARSHIPS**—Two scholarships, each of the value of \$500 and renewable annually in the same amount at the beginning of each undergraduate year (up to a maximum of five payments in all) are offered in competition to sons, daughters, and legal dependents of full-time employees, of retired employees, and of deceased employees (who died while in the service of the Company) of Woodward Stores. These scholarships are open to applicants beginning University attendance for the first time and entering the University of British Columbia (or Victoria College) from Grade XII or XIII of secondary school (or from any other source, provided they are qualified for admission). The writing of the Examinations conducted in June by the Department of Education, B.C., is required. Applicants must be proceeding, in any faculty, to a full course leading to a degree. Candidates, who must apply not later than May 30th on special forms obtainable from the Personnel Department of any Woodward store, will be considered on the basis of (a) academic standing; (b) activity and interest in youth programmes and organizations (within the school and community); and (c) personal qualities, character, and demonstration, during attendance at school, of citizenship, leadership, and service. Renewals are subject to maintenance of satisfactory standing, progress, and conduct.

**CANADIAN LEGION (BRITISH COLUMBIA COMMAND) SCHOLARSHIPS**—The Canadian Legion (British Columbia Command), British Empire Service League, offers annually a number of scholarships for students proceeding from

high school to University. These scholarships are awarded on the basis of academic standing, financial need, and participation and achievement in student and community affairs. Preference is given to sons and daughters of deceased, disabled, or other veterans, but applications from other worthy students are also considered. Further information may be obtained from The Provincial Secretary, Canadian Legion, B.E.S.L., 1531 West Pender St., Vancouver, B.C.

**STANDARD OIL COMPANY OF BRITISH COLUMBIA LIMITED ENTRANCE SCHOLARSHIP**—Standard Oil Company of British Columbia Limited offers a scholarship worth \$2000 to students who are residents of British Columbia and are proceeding in the fall to studies in the First Year at the University of British Columbia, (or Victoria College) or other approved Canadian university of recognized standing, in a full course leading to a degree. Candidates must write a full set of scholarship examinations for High School Graduation (University Programme) conducted in June by the Department of Education, Victoria, B.C. The scholarship will normally be awarded to the eligible applicant obtaining highest standing in these examinations. Should this applicant win another award, however, the scholarship may be given, at the discretion of the University, to the eligible candidate with next highest standing. No award will be made to a candidate with an overall average less than 75%. General regulations of the University for scholarships are also applicable to this scholarship. The winner of this award will receive \$500 during the first year of attendance at the University or College, and is eligible for renewals of \$500 a year for three further years. Each renewal is subject to maintenance of standing satisfactory to the University. All candidates for this award must, by May 15th, notify the Dean of Inter-Faculty Affairs, University of British Columbia, of their intention to compete. Before June 1st, they must also complete and submit, through the school principal, the special form required by the Department of Education from all those writing the scholarship examinations.

**STANDARD OIL COMPANY OF BRITISH COLUMBIA LIMITED SPECIAL SCHOLARSHIP**—Standard Oil Company of British Columbia Limited offers a scholarship worth \$2000 to children or wards of employees or annuitants of the Standard Oil Company of British Columbia, or of deceased employees who die while in the employ of the Company or as annuitants of the Company, and who have or had not less than one year of service with the Company. It will be open in competition to students proceeding in the fall to the First Year at the University of British Columbia (or Victoria College), or other approved Canadian university of recognized standing, in a full course leading to a degree. Candidates must write a full set of scholarship examinations for High School Graduation (University Programme) conducted in June by the Department of Education, Victoria, B.C. The scholarship will normally be awarded to the eligible applicant obtaining highest standing in these examinations. Should this applicant win another award, however, the scholarship may be given, at the discretion of the University, to the eligible candidate with next highest standing. No award will be made to a candidate with an overall average less than 70%. General regulations of the University are also applicable to this scholarship. The winner of this award will receive \$500 during the first year of attendance at the University or College, and is eligible for renewals of \$500 a year for three further years. Each renewal is subject to maintenance of standing satisfactory to the University. All candidates for this award must, by May 15th, notify the Dean of Inter-Faculty Affairs, University of British Columbia, of their intention to compete. Essential details of family service with the Company must also be supplied. Before June 1st they must also complete and submit, through the school principal, the special form required by the Department of Education from all candidates writing the scholarship examinations.

**SUPER-VALU STORES LTD. SCHOLARSHIP**—Super-Valu Stores Ltd. offers, in competition, a scholarship worth \$1500 to students with High School Graduation (University Programme) standing, who, in September, 1961, will proceed to a full course of studies in the First Year at the University of British Columbia (or Victoria College) leading to a degree in any field. To be eligible a candidate must be a regular full or part-time employee of Super-Valu Stores Ltd. or a son, daughter, husband, or wife of such an employee. The scholarship, payable in three annual amounts of \$500 each, will be awarded on the basis of the written examinations for University Entrance, conducted in June by the Department



of Education, B.C. Applications must be filed with the University not later than May 15th.

**THE ROYAL ARCH SCHOLARSHIP**—Two scholarships, in the amount of \$300 each, have been established by the Royal Arch Masonic Order to give assistance to sons and daughters of members in good standing, or of deceased members, who without assistance would be unable to continue through University. They will be awarded annually, on the basis of scholastic standing and need, to an eligible student proceeding directly in the fall from Grade XII to a full programme of studies in the First Year at the University of British Columbia (or Victoria College). Candidates for these scholarships must (a) write a full set of scholarship examinations conducted in June by the Department of Education, B.C.; (b) complete the General Application for Scholarship Form, which may be obtained from the Dean of Inter-Faculty Affairs, University of B.C. This application form, which is to be received by the University not later than May 15th, must clearly indicate (i) the applicant's relationship to a member or deceased member of the Royal Arch Masonic Order, the name of the member, and the name of the Chapter with which he is or was connected; and (ii) the applicant's financial circumstances and those of his or her immediate family. Only candidates who obtain an overall average of 70% in the Department examinations will be considered. If, in the opinion of the University, no applicant is suitably qualified, the award will be withheld.

## BURSARIES

**Government Bursaries**—The Government of the Province of British Columbia (with a contribution also from the Federal Government) provides funds annually for the award of bursary assistance to selected capable persons who can show financial need and who fulfill certain requirements of being domiciled in British Columbia. These awards will be made primarily to assist students entering their first year of undergraduate studies at the University of British Columbia, or Victoria College, from Grade XII or Grade XIII. If funds permit, however, awards may be made for undergraduate studies in higher years (including the one year teacher-training course, the one-year Librarianship course, and the First Year of Social Work), or for acceptable university studies at a recognized institution outside the Province in fields for which training is not available at the University of British Columbia or Victoria College (e.g., dentistry, veterinary science, etc.). Awards are normally in the range of \$100-\$200. Applications must be submitted to the Department of Education, Victoria, B.C., by August 5th. Application forms may be obtained from the Department of Education, Victoria, B.C., from the Dean of Inter-Faculty Affairs of the University, from Victoria College, or, where the student is attending school, from the principals of senior high schools.

**The B.C. Government Employees' Association Bursaries**—Two bursaries of \$150 each, the gift of the B.C. Government Employees' Association, are offered annually to sons and daughters of members, or of deceased members, and to members themselves. They will be awarded, on the basis of scholastic standing and financial need, to students who are beginning or continuing their undergraduate studies at the University of British Columbia or Victoria College. Selection of the winners will be made by the University in consultation with the Association. Further details may be obtained by writing to the Dean of Inter-Faculty Affairs, University of British Columbia.

**British Columbia Forest Products Limited Bursaries**—Bursaries to a total of \$4300, each with a maximum value of \$200, are offered by British Columbia Forest Products Limited to sons and daughters of employees who, by June 30th of the year in which the award is made, have or will have served with the Company for at least one year and whose earnings are limited (see Company brochure for details). They are open to students beginning or continuing studies in the fall in a full undergraduate programme of studies at the University of British Columbia (or Victoria College). Awards will be made at the discretion of the University to students selected on the basis of their academic standing and need for financial assistance. No award will normally be made, however, to a candidate who obtains an overall average of less than 60% or who is required to write supplementals to obtain clear standing in a full year's work. Winners of the Company's Entrance Scholarships will not be permitted to receive a Company Bursary in the same year. All candidates must apply on the



Special Bursary form, which may be obtained from the Dean of Inter-Faculty Affairs, University of B.C. This application must be received by the University not later than August 1st and must contain the necessary details of family service with the Company.

**The Khaki University and Young Men's Christian Association Memorial Fund Bursaries**—A sum of money given to the University by the administrators of the Khaki University of Canada provides a fund from which are awarded annually five bursaries of the value of \$100 each, known as the Khaki University and Young Men's Christian Association Memorial Bursaries. Under conditions specified by the donors these bursaries may be used for undergraduate purposes only, and in making the awards a preference is given to the sons and daughters of soldiers of the First Great War. The financial necessities of candidates are also taken into account. To be eligible for an award a soldier's dependent must obtain at least Second Class standing, i.e., 65 per cent.; for all others 75 per cent. is required. Dependents of soldiers and others who have attained the standing as stated above and who are in need of financial assistance should apply not later than August 1st. These bursaries are also open to students from Victoria College proceeding to a course of study in the University.

**The Canadian Officers' Training Corps (C.O.T.C.) Bursaries**—Bursaries to the total of \$300, each ranging in value from \$50 to \$100, are available to members of the Corps continuing their training in the fall with the C.O.T.C. on the campus. These awards are provided to give a measure of encouragement to students deserving of assistance who have good standing, not only in their academic studies but also in the Corps programme. In selecting winners consideration will therefore be given to financial need, academic standing, and record of achievement in the C.O.T.C. Selection will be made by the University, in consultation with the Commanding Officer. Applications, on forms available from the Dean of Inter-Faculty Affairs, must be submitted to the University not later than August 1st.

**The Stry Credit Union Bursary**—A bursary of \$300 is offered by Stry Credit Union to students who are members of the Stry Credit Union, and who are the sons, daughters, or legal dependents of members of at least one year's standing. It is open in competition to students proceeding from Grade XII or Grade XIII to attendance at the University (or Victoria College) in a full course leading to a degree. The winner will receive \$200 during the first year of studies and, subject to satisfactory standing, \$100 during the second year. The award will be made on the basis of financial need and academic standing. If no suitable candidates apply in any year, the award will not be made in that year, but will accrue for the purpose of making additional awards in a future year, when more than one suitable candidate has applied.

**Naval Officers' Association of British Columbia Bursary Loans**—Bursary Loans not exceeding \$300 each, up to an aggregate amount of \$600, provided by the Naval Officers' Association of British Columbia, are offered to students beginning or continuing studies at the University (including Victoria) with the intention either of following a permanent career in the Royal Canadian Navy or following a course of study which, coupled with such person's past associations, will qualify such person as potential personnel for the Royal Canadian Navy in times of national emergency. Preference will be given to present or former members of a cadet force, of a reserve force or of the permanent force, or the sons or daughters of any Commissioned Officer, Warrant Officer, Rating or man who has served or is now serving in the British Commonwealth naval forces or Merchant navies. Awards will be made on the basis of combined academic standing and need. These loans are repayable without interest within eighteen months after graduation. If by the due date the student has joined the permanent force, the loan may be cancelled in its entirety; if he has joined the reserve force 50% of it may be cancelled. Applications must be filed not later than September 1st.

## AWARDS MADE BY OTHER INSTITUTIONS

### The Rhodes Scholarships

**The Rhodes Scholarships**—The Rhodes Trustees offer annually for award in the Province of British Columbia one Rhodes Scholarship of the value of £750 a year. At most Colleges, and for most men, this sum is scarcely sufficient to meet a Rhodes Scholar's necessary expenses for term-time and vacations, and Scholars who can afford to supplement it by, say, £50 a year from their own resources are strongly

advised to do so. The cost of the voyage to and from England must be borne by the Scholar.

The Scholarship is tenable ordinarily for two years at Oxford University. A third year (at Oxford or elsewhere abroad) may be authorized in proper cases.

A candidate must be an unmarried male Canadian citizen or British subject domiciled and resident for five years in Canada. He must be in his second year at least of work in a Canadian university and may apply either in the province of his residence or of his university, if these differ. A candidate for the scholarship for 1962 must have passed his 19th birthday but not have reached his 25th birthday by October 1st, 1962.

In that section of the Will in which he defined the general type of scholar he desired, Mr. Rhodes mentioned four groups of qualities, the first two of which he considered most important:

1. Literary and scholastic attainments;
2. Qualities of manhood, truth, courage, devotion to duty, sympathy, kindliness, unselfishness, and fellowship;
3. Exhibition of moral force of character and of instincts to lead and to take an interest in his fellows;
4. Physical vigour, as shown by fondness for and success in outdoor sports.

Some definite quality of distinction, whether in intellect or character, or both, is the most important requirement for a Rhodes Scholarship, and it is upon this that Committees will insist. Success in being elected to office in student organizations may or may not be evidence of leadership in the true sense of the word. Mr. Rhodes evidently regarded leadership as consisting in moral courage and in interest in one's fellow men quite as much as in the more aggressive qualities. Physical vigour is an essential qualification for a Rhodes Scholarship, but athletic prowess is of less importance than the moral qualities developed in playing outdoor games. Financial need does not give a special claim to a Scholarship.

A candidate for a Scholarship is required to make application by November 1st, 1961, and, if elected, to go to Oxford in October, 1962. Further information and application forms may be had from the Dean of Inter-Faculty Affairs, University of British Columbia, Vancouver 8, B.C.

### For Graduate Study

**British Columbia Library Association Bursary**—One or more bursaries, given by the British Columbia Library Association, are available annually for students intending to adopt librarianship as a profession. To be considered an applicant must be eligible for acceptance in the University of British Columbia School of Librarianship, and must plan to attend that School. The recipient will be selected on the basis of scholarship, personality, ability to work with others, aptitude for library work, physical fitness and financial need. It is to the student's advantage to have had some library experience. Application forms and further information may be obtained from the Director of the School of Librarianship, U.B.C., or from Miss T. G. Rhodes, B.C. Telephone Co. Library, 768 Seymour St., Vancouver 2, B.C.

**British Council Scholarships**—The British Council offers scholarships to overseas students, normally tenable at universities and other educational institutions in the United Kingdom. The awards are mainly for men and women who have already completed university degree courses or who have equivalent professional qualifications. Preference is given to candidates between 25 and 35 years of age. The scholarships are normally for one academic year of 10 months or for two academic years (22 months), according to the duration of the approved course of study. A full scholarship is intended to cover all expenses of maintenance and study, and includes fares, fees, personal maintenance, a grant for books and apparatus and approved travelling expenses in the United Kingdom. Inquiry should be directed before the middle of October to the Executive Secretary, National Conference of Canadian Universities, 77 Metcalfe St., Ottawa 4, Ontario.

**The Canada Council Awards**—The Canada Council offers scholarships, fellowships and grants in the field of the arts, humanities, and social sciences. These include pre-master's degree scholarships; pre-doctor's degree fellowships; senior research fellowships in the humanities and social sciences; senior arts fellowships for musicians, artists, writers and other workers in, and teachers of, the arts; arts scholarships for



artists, musicians, writers and other workers in the arts; scholarships for secondary school teachers and librarians; scholarships for arts teachers and professional staff members of art galleries and museums; grants in aid of research and other productive scholarship; fellowships of one year duration for non-residents for study or teaching in Canada in the arts, humanities, and social sciences; fellowships for journalists, broadcasters and film-makers; and special awards. Requests for application forms should be sent to The Secretary, The Canada Council, 140 Wellington Street, Ottawa, Canada.

**Canadian Federation of University Women Fellowships**—The Travelling Fellowship of the Canadian Federation of University Women, of the value of \$2500, available for study or research work, is open to any woman holding a degree from a Canadian university. In general, preference will be given to those candidates who have completed one or more years of graduate study and have a definite course of study or research in view. The award is based on evidence of character, intellectual achievement, and promise of success in the subject to which the candidate is devoting herself.

The Margaret McWilliams Fellowship, \$2000, is open to any woman holding a degree from a Canadian university whose domicile is in Canada although she may be studying elsewhere at the date of application. The award will be based on evidence of character, achievement and promise. Preference will be given to candidates who have started their graduate work and who have a definite course of study or research in view.

The Junior Fellowship of the Canadian Federation of University Women, of the value of \$1500, is open to any woman holding a degree from a Canadian university. Preference will be given to students who have studied in only one university and who desire to continue their studies in another.

The Professional Fellowship of the Canadian Federation of University Women, of the value of \$1000, is open to any woman holding a degree from a Canadian university, who is not more than 35 years of age at the time of award. Preference will be given to candidates who have completed one or more years of professional work and who desire to spend a year at an accredited Library School, College of Education, School of Social Work or similar professional school.

The proposed place and plan of study or research must be approved by the Fellowships Committee.

Application blanks and further information may be obtained from Dr. May Smith, 2424 Crown Crescent, Vancouver 8, B.C. Applications and recommendations must be received not later than February 1st.

**Commonwealth Scholarships**—Under a plan drawn up at a conference held in Oxford in 1959, each participating country of the Commonwealth offers a number of scholarships to students of other Commonwealth countries. These scholarships are mainly for graduate study and are tenable in the country making the offer. Awards are normally for two years and cover travelling, tuition fees, other university fees, and a living allowance. The closing date for receiving applications for scholarships awarded by countries in the Northern Hemisphere is October 31st. For the dates of countries below the Equator and other details of Commonwealth Scholarships write to The Canadian Universities Foundation, 77 Metcalfe Street, Ottawa.

**French Government Scholarships**—Scholarships of the present value of approximately \$800 are donated by the French Government for graduate study in France. They are tenable for an eight-month period. Travelling expenses for the return to Canada and university fees are defrayed by the French Government. These scholarships are open to students of all faculties. Candidates must, however, produce satisfactory evidence that they are able to profit by instruction given in French. The awards are made by the French Embassy on the recommendation of the University, from whom further information may be obtained.

**The Imperial Oil Graduate Research Fellowships**—Imperial Oil Limited in 1946 established for annual competition Graduate Research Fellowships, now five in number and having a potential value of \$4800 each (\$1600 a year for a maximum of three years). In addition each fellowship may be supplemented by an amount of \$900 if the fellow continues his thesis work during the summer months. A fellow may not hold concurrently other awards which annually equal or exceed the value



of the regular Imperial Oil payments (\$1600). The fellowships are open to any graduate of any approved university in Canada and are offered for research leading to a Doctor's degree in the fields of Chemistry, Physics and/or Engineering (2 fellowships), Geology, (1 fellowship), Economics, Psychology, Sociology, or Business Administration (1 fellowship), and Humanities such as English, Ancient and Modern Languages, History, or Philosophy (1 fellowship). Nomination of students for the fellowships is made by the University—such nominations to be received by the Secretary of the Imperial Oil Scholarship Committee, Imperial Oil Limited, 111 St. Clair Avenue West, Toronto 7, not later than March 1st of each year.

**Imperial Order Daughters of the Empire War Memorial I Scholarship (Overseas)**—This fund was established by the I.O.D.E. in order to perpetuate the memory of the men and women who gave their lives in the defence of the Empire in the First Great War. Graduate scholarships to the value of \$2000 each are offered annually, one in each province of the Dominion. The conditions under which they are awarded may be obtained from the Dean of Inter-Faculty Affairs, or from the Education Secretary of the Provincial Chapter, I.O.D.E., 9031 Hudson St., Vancouver 14, B.C. Applications must be submitted by October 15th of each year.

**Imperial Order Daughters of the Empire War Memorial II Scholarship (Overseas)**—This fund was established by the I.O.D.E. in order to perpetuate the memory of the men and women who gave their lives in defence of the Empire in World War II. Four post-graduate scholarships to the value of \$2000 each are to be offered annually in Canada. In view of the fact that for many years the emphasis for advanced study has been placed on science rather than on the humanities, these scholarships provided under War Memorial II will be offered annually to carry on post-graduate work in History, Philosophy, English or French Literature. The conditions under which they are awarded may be obtained from the Dean of Inter-Faculty Affairs, or from the Educational Secretary of the Provincial Chapter, I.O.D.E., 9031 Hudson St., Vancouver 14, B.C. Applications must be submitted by October 15th of each year.

**The Johnson Foundation Scholarship Award**—The Johnson Foundation, Racine, Wisconsin, through S. C. Johnson and Son, Limited, Brantford, Ontario, offers an award to pay for one year the reasonable expenses for travel to and study in the United States of at least one worthy and needy student (at a university or college of his or her choice) in postgraduate fields such as Economics, Business Administration, Chemistry, Engineering, Law, Medicine, Teaching, etc. An applicant must be a Canadian citizen, and must be recommended for the award by his or her university. Preliminary applications must be in Brantford by December 15th, accompanied by a letter of recommendation from the dean of the faculty or some other appropriate official. For further details consult the Dean of Inter-Faculty Affairs.

**The Mackenzie King Travelling Scholarships**—These scholarships of not less than \$1500 each are available for graduates of any Canadian university who propose to engage, either in the United States or the United Kingdom, in postgraduate studies in the fields of international or industrial relations. Information may be obtained from Dean Walter H. Gage, University of B.C., Vancouver 8, Canada. Applications for those proposing to proceed to study in the fall of 1961 must be submitted by March 1st, 1961.

**National Research Council Bursaries and Studentships**—The National Research Council awards annually a number of bursaries and studentships for graduate work. These are open to selected graduates in science and engineering who have shown distinction in their undergraduate studies. The values of the awards are as follows: bursary, \$1800 and studentship, \$2200. Students receiving these awards will be expected to spend the summer months in their research, and if they do not do so, the award will be reduced. Also available are a limited number of special scholarships for postgraduate study outside Canada and post-doctorate fellowships for those who have completed their work for the Ph.D. degree. These fellowships may be held either in Canada or abroad. Applications must be received in Ottawa before February 1st. Application forms and regulations governing the awards may be obtained from heads of departments, the Dean of Inter-Faculty Affairs, or from the Awards Officer, National Research Council, Ottawa 2.

**Ontario Research Foundation Scholarships**—Scholarships for post-graduate study will be accepted in the fields of Biology, Chemistry, Engineering, Forestry, Geography,

Geology, Mathematics, Metallurgy, Mineralogy, and Physics. Applications on special forms must be received by the Secretary, Scholarship Committee, Ontario Research Foundation, 43 Queen's Park, Toronto 5, Canada, by February 1st. Awards are tenable at any university in Ontario by students from any university of recognized standing, provided the candidate is a Canadian citizen, normally resident in Canada, or a student who has attended a Canadian university for at least one year. Awards are tenable for Ontario students at Ontario universities or at universities outside Ontario where special training may be obtained. Scholarships, with a value of \$1000, may be awarded to applicants for their first year of postgraduate research; scholarships, with a value of \$1400, may be awarded to applicants with one or two years of research experience following graduation. Scholarships in this category may be renewed. Supplements of \$800 may be granted for the four-month period preceding an academic term for which an award has been made.

**Rotary Foundation Fellowships**—The Board of Directors of Rotary International and the Rotary Foundation Trustees have established a number of Rotary Foundation Fellowships, each to the value of \$2500 approximately, for advanced study for a period normally of one year. Candidates are expected to pursue studies outside their own country. Preference will be given to a candidate who proposes to study in a country where the language is different from that of his own homeland and who is reasonably proficient in that language. These fellowships are open to unmarried students between the ages of twenty and twenty-eight. Applicants must be graduates or in their graduating year. They are advised to make application early in the year to the Rotary Club in their home district. It is suggested that complete information be obtained from the Rotary Club of Vancouver or any other Rotary Club.

**The Woodrow Wilson National Fellowships**—The purpose of these fellowships is to encourage promising students to consider careers as college teachers in the fields of the humanities and the natural and social sciences. Outstanding college seniors and graduates who have not commenced graduate studies are eligible for nomination provided they indicate a sincere interest in college teaching. The stipend is \$1500 (plus dependency allowance for wife and children). The Foundation also pays directly to the graduate school tuition and other fees for the fellow. An applicant may choose any graduate school in the United States and Canada, but this choice is subject to review by the Woodrow Wilson Fellowship Foundation. Prospective fellows are nominated by faculty members. Students interested in these fellowships should indicate their interest to the head of the department concerned as soon as possible after registration in the Final Year. Nominations of suitable candidates must be submitted by faculty members very early in the academic session.

#### For Undergraduates

**Cominco Undergraduate Scholarships**—The Consolidated Mining and Smelting Company of Canada Limited offers annually a number of scholarships fuller details of which should be obtained from the Secretary, Scholarship Committee, The Consolidated Mining and Smelting Company of Canada Limited, Trail, B.C. Applications, on special forms available at the above address, must be postmarked not later than May 15th and forwarded to that address. These awards include: (a) Two major awards of \$1400 each payable \$350 each per year. Known as Cominco Undergraduate Scholarships, Class 1, they are open in competition at the Senior Matriculation or equivalent level (i.e. equivalent First Year University) to sons and daughters of Cominco employees. (b) Four one-year awards of \$250 each, known as Cominco Undergraduate Scholarships, Class 2, are open in competition to sons and daughters of Cominco employees. These awards are based on Senior Matriculation standing only. (c) Two one-year awards of \$300 each, known as Cominco Undergraduate Scholarships, Class 3, open in competition to all students who are attending high schools in School Districts Nos. 1-11 inclusive, which cover the East and West Kootenay Districts of British Columbia. These awards are based on Senior Matriculation standing only.

**Crown Zellerbach Canada Limited Scholarships for Teacher Training**—Seven scholarships of \$2000 each, payable in yearly instalments of \$400 for five years, are offered annually by Crown Zellerbach Canada Limited to high school graduates beginning studies at the University and planning to enter the secondary teaching profession. One award will be available, in each of the following school districts: Courtenay-Comox; Campbell River; Ladysmith (Ladysmith High School only); Nanaimo; Ocean Falls; Richmond School District No. 38; and the combined area of



New Westminster School District No. 40, Coquitlam School District No. 43, and Surrey School District No. 36. Selection of the winners of the scholarships, which are open to students whose parents reside in these districts, will be made by the School Boards concerned, on the basis of scholastic standing, leadership, citizenship, and suitability for the teaching profession. Application to compete should be made to the high school principal. Yearly renewals to winners will be dependent upon maintenance of good academic standing.

**The Elizabeth Bentley Eastern Star Scholarship**—This scholarship, in the amount of \$400, is given annually by the Order of the Eastern Star to a student who is attending the University of British Columbia or Victoria College, and in whose immediate family there is a member of the Order. Names of eligible students are forwarded each year by the various chapters to the Secretary of the Grand Chapter of British Columbia. The award is made to that student who attains the highest average of marks in regular subjects during the Second and Third Years of attendance at the University or College. Further information may be obtained from Mrs. Hazel Freeze, Grand Secretary, 4767 Collingwood, Vancouver 8, B.C.

**The Imperial Oil Undergraduate Scholarships**—Imperial Oil Limited offers annually eleven scholarships for undergraduate study, open to children and wards of employees and annuitants of Imperial Oil Limited and its Canadian subsidiaries. One of these scholarships is available to students completing Grade XII or Grade XIII in British Columbia. These scholarships entitle the holders to \$700 per annum each for a period up to four years, providing other awards of equal or greater value are not held concurrently. The university concerned also receives an unrestricted grant-in-aid annually for each scholarship winner in attendance. Further information and application forms, which must be submitted by June 1st, may be obtained from the Secretary, Imperial Oil Scholarship Committee, 111 St. Clair Avenue West, Toronto 7, Ontario.

**The Independent Order of Oddfellows Bursaries**—Six bursaries of \$250 each, provided by the Grand Lodge of B.C., I.O.O.F., the Grand Encampment, and the Rebekah Assembly, are available annually for students in any year of any faculty. The awards will be made by a joint committee consisting of two representatives from each of the Grand Bodies. All applicants must have direct connection with one or more branches of the Order, through parents, grandparents, or close relatives. Special consideration will be given to applicants with financial need. Full details of the awards and application forms may be obtained from the Secretary of any Oddfellows Lodge or Rebekah Lodge, I.O.O.F. Applications should be submitted to the Oddfellows or Rebekah Lodge by May 1st so that they may be received by the Committee not later than May 15th. All applications must be sponsored by an Oddfellows Lodge, Rebekah Lodge, or Encampment.

The above Committee will award annually an additional bursary of \$200 to a student in a recognized theological college of university status. This bursary will be known as the Dr. A. M. Sanford Memorial Bursary. Applicants will follow the same procedure as for all other I.O.O.F. bursaries, except that family connections with the I.O.O.F. will not be required.

**The I.O.D.E. Second War Memorial Bursaries**—These bursaries were established as a memorial to Canadian men and women who gave their lives in the Second World War. They are open to sons and daughters, residents in Canada, whose fathers or mothers, having served during World War II in the Navy, Army, Airforce, or Merchant Navy of the British Empire and Commonwealth, suffered death or permanent and serious disability because of this service. Provided there are suitable candidates, thirty bursaries will be offered across Canada. Each bursary has the value of \$400 a year for four years, renewal each year being subject to satisfactory standing. Awards will be made to selected candidates who meet the entrance requirements of the university of their choice. To be eligible for consideration applicants must write the departmental examinations of their province. Application forms and further information may be obtained from the Provincial Educational Secretary, I.O.D.E., 9031 Hudson St., Vancouver 14, B.C. Applications must be submitted by April 1st.

**The I.W.A., Local 1-80, Scholarship**—I.W.A., Local 1-80, offers a scholarship in the amount of \$300, open in competition to I.W.A. members (Local 1-80), or the wife, son or daughter of a member. The scholarship will be awarded to the



candidate obtaining the highest standing in the written examinations for Grade XII (University Programme) conducted in June by the Department of Education, B.C. All applicants must write a full set of examinations, details of which may be obtained from the principal of any high school offering Grade XII work, or from the Department of Education, Victoria, B.C. The scholarship will be open to those proceeding in the fall to university studies at the University of British Columbia, Vancouver, or Victoria College, Victoria. Those who wish to compete must notify Mr. Ed. Linder, Financial Secretary, I.W.A. Local 1-80, P.O. Box 430, Duncan, B.C., by letter not later than June 3rd. They must also consult the school principal before this date about the arrangements to write the examinations and apply to write the departmental scholarship examinations. The I.W.A. reserves the right to withhold the scholarship if no candidate makes sufficiently high standing, or to award it to another candidate if the winner receives another award of higher monetary value.

**Leonard Foundation Scholarships**—This National Foundation awards each year a number of scholarships for which students of the Victoria College are eligible. Application forms and further information may be secured from Dean F. H. Soward, a member of the General Committee of the Foundation or from the Registrar. These forms should be forwarded to the Honorary Secretary of the Foundation, c/o Toronto General Trusts Corporation, 253 Bay Street, Toronto, not later than March 31st of each year. Whenever possible these applications should be filed in February. The awards are made at the annual meeting of the General Committee on the last Friday in May.

**MacMillan, Bloedel and Powell River Limited Scholarships**—Seven scholarships of \$400 each, one in each of School District 65 (Duncan-Cowichan), 67 (Lady-smith-Chemainus), 68 (Nanaimo), 69 (Qualicum), 70 (Alberni), 79 (Ucluelet-Tofino), and 48 (Howe Sound) are offered by MacMillan, Bloedel and Powell River Limited. These scholarships are open to students beginning their studies at the University of British Columbia or affiliated Theological Colleges on the Campus or at Victoria College. Awards will be made on the basis of academic ability and potential leadership, as indicated by grade achievements in Grades XI and XII and participation in school activities. The winner in each school will be chosen in June by a committee consisting of the Principal, Vice-Principal, the Senior Girls' and Senior Boys' Counsellors, the Dean of Inter-Faculty Affairs of the University (consultative member), and a representative of MacMillan, Bloedel and Powell River Limited. Further information may be obtained from the Principal of the School.

**Northern Electric Employee Bursaries**—The Northern Electric Company Limited has provided for a number of bursaries to an annual maximum value of \$500 each to assist employees of the Company and their dependents to obtain a university education. The recipients must have completed previously one year of undergraduate studies at a recognized university. Application forms obtainable from the Company should be submitted directly to the Northern Electric Bursary Award Committee, Dept. 107, P.O. Box 6123, Montreal, P.Q. before July 31st.

## THE STUDENT AID LOAN FUND

**The Student Aid Loan Fund**—By an Act of the Provincial Legislature the University was authorized in 1959 to borrow money for the establishment of this Fund. Loans will be made to students with satisfactory standing who fulfil (to the satisfaction of the Loan Committee) requirements of being domiciled in British Columbia, and who require financial assistance. Loans bear interest from the date of issue, and are repayable in regular instalments commencing not later than October 1st of the year in which the approved training programme will be completed. For fuller details and application forms, apply to the Dean of Inter-Faculty Affairs, University of British Columbia, Vancouver 8, B.C.

## STUDENT ASSISTANCE

Victoria College has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, at the rate of \$1.00 per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

# FACULTY OF ARTS AND SCIENCE

The degrees offered in this Faculty at Victoria College are Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.).

## Registration and Admission

1. Registration must be completed during the period September 11th-16th, as described on pages 15 and 16.
2. After September 29th, except in very special circumstances and with the permission of Faculty, no student may change the programme for which he has registered.
3. All changes in registration must be made by the student at the Registrar's office. A student may not take courses for which he has not registered, and will be considered as having failed in all courses dropped without permission.

## Summer Session and Other Credits

1. Although the degrees in this Faculty are normally granted on completion of the required units in the winter session, credits obtained in summer session may be combined with those obtained in winter session to complete the required number of units. A degree will not be granted, however, in less than four years from High School Graduation (University Programme) or three years from Senior Matriculation.
2. The maximum credit for summer session work in any one calendar year is 6 units.
3. The maximum credit for work other than that of the winter and summer sessions is 3 units in each academic year, not exceeding a total of 15 units subsequent to Senior Matriculation or First Year.
4. No credit will be granted for work done at other universities in the same academic year in which work has been attempted in this College, whether in the summer session, the winter session, or otherwise. Extra-mural work done at other universities prior to registration at this College may be accepted, if approved by Faculty, but may not exceed 3 units in respect of any one academic year or a maximum of 15 units subsequent to Senior Matriculation.
5. Students in attendance at the University of British Columbia or the College may not register for extra-mural work to be taken concurrently.
6. Candidates for degrees are advised to attend at least one winter session, preferably that of the Final Year.

## Senior Matriculation Credits

See page 15.

## General Regulations

1. Students who are accepted from other institutions may not receive a degree unless they complete at least 15 units of the Final Year in attendance at the University of British Columbia or Victoria College.
2. Students who take more than 15 units in the First or Second Year may not receive credit in a higher year for these extra units unless they have previously completed at least 3 units in the year for which they are registered.
3. Subjects credited to one year may not be transferred later to a higher year.
4. No student may take more than 18 units and, without special permission of the Faculty, fewer than 15 units, in each winter session.
5. Students may not receive University credit for courses passed for High School Graduation whether taken among the required credits or as extra subjects.
6. Students may not continue with work in a higher year, unless they take concurrently all courses required to clear conditions or deficiencies in the lower years. The total of all work taken may not exceed 18 units. They may continue only in subjects for which they have successfully completed the prerequisites.

7. Students are responsible for ensuring that their courses have been chosen in conformity with Calendar regulations.

### Examinations

1. Examinations in the winter session are held in December and April. In December they are held in all First and Second Year courses and in upper year courses at the discretion of the Department. In April they are held in all courses except those final at Christmas. These examinations are obligatory for all students.

2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period. In cases of illness a medical certificate must be presented to the Registrar's office.

3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive any credit for the course. If the course is repeated no exemption will be granted from the work in either part. The same rules may, at the discretion of the departments concerned, apply to non-science courses with laboratory work.

4. In any course which involves term assignments, students may be debarred from writing examinations if the required term work has not been completed to the satisfaction of the department concerned.

### Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 79%; Passed 50 to 64%.

2. (a) A student taking 9 or more units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in courses totalling at least 9 units, including the course in question. The passing grade for a course is 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

(b) A student taking less than 9 units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in all his courses. The passing grade for a course is 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

(c) A student in the summer session or in extra-session courses will receive credit for each course in which he obtains a grade of at least 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

3. Courses for which credit has not been obtained must be repeated, or permissible substitutes taken, in the next regular session attended. Except in the case of English 100, no course may be repeated more than once. In the winter session the total of all courses taken may not exceed 18 units.

4. Term essays and examination papers will be refused a passing mark if they are deficient in English; and, in this event, students will be required to pass a special examination in English to be set by the Department of English.

### Supplementals

1. (a) In the winter session, a candidate will be granted a supplemental in a subject which he has taken during the session provided (i) he has written the final examination and has obtained a final mark of not less than 40%, and (ii) he has obtained (as a result of the final examinations held in April) at least 9 units of credit in that session. In any one session, no candidate will be granted supplementals in more than 3 units.

(b) In the summer session, a candidate will be granted a supplemental in a subject which he has taken during that session provided (i) he has written the final examination and has obtained a final mark of not less than 40%, and (ii) he has obtained 3 units of credit in that session.



(c) In an extra-session course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 40%.

2. If a supplemental granted in a course is passed with a grade of at least 50%, credit will be given for the course. In the computation of the overall average in the work of a session or for a degree, the grade in a supplemental, if passed, will be considered as 50%. Similarly the overall average will not be changed if a subject already passed is written for higher standing.

3. In all but the Final Year a candidate who has been granted a supplemental may write it only once. If he fails, he must repeat the course or take a permissible substitute. In the Final Year he may write it twice.

4. Supplemental examinations, covering the work of both the first and second terms, will be held in August or September in respect of winter session examinations. Supplemental examinations for summer session students will be held on the second day of the summer session at the College or, by special arrangement, at the University.

5. Applications for supplemental examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

6. If a student, because of exceptional circumstances, is permitted to postpone a supplemental beyond the first regular supplemental examination period, he will be responsible for the content of the course as currently offered. If the course is not offered or has been discontinued, the supplemental privilege may be cancelled. Attention is also drawn to section 3 under "Standing and Credit."

Notice will be sent to all students who are entitled to supplemental examinations.

### Re-Readings

See page 18.

### Unsatisfactory Standing

1. A student with standing defective in respect of more than 3 units, although he will not be permitted to register in a higher year, may be allowed to continue by registering in the lower year and by taking courses in accordance with Section 3 under "Standing and Credit."

2. A student who, twice in succession, fails to obtain credit in the winter session may, upon the recommendation of Faculty, be required by the College Council to withdraw from the College.

3. Any student whose academic record, as determined by the tests and examinations of the first term of the First or Second Year, is found to be unsatisfactory, may upon the recommendation of the Faculty be required by the College Council to discontinue attendance at the College for the remainder of the Session.

### COURSES LEADING TO DEGREE OF B.A.

A student may proceed to the B.A. degree either in a General Course or in an Honours Course. The requirements for a General Course B.A. enable a student to obtain a broad general education in several fields without specialization in any one of them. The course of study for an Honours degree, on the other hand, requires that a student study one or two subjects intensively during the last two or three years of his course. In some cases students may postpone the decision as to whether to proceed in a General Course or in an Honours Course until the end of the Second Year, but as requirements usually involve certain prerequisite courses which must be taken in the first two years, students should consult pages 45 to 51.

A General Course degree will be granted on completion of courses amounting to a minimum of 60 units chosen in conformity with Calendar regulations; a Single or a Combined Honours Course degree will, similarly conforming, require 66 units, and a Double Honours Course will require 81 units.

Course credits are described in terms of units. The unit values are given in the various course descriptions, pages 53 to 68.

## First and Second Years

Courses in each of the First and Second Years must be chosen to conform, not only with the rules and regulations in the preceding pages, but also with requirements set forth in the following regulations and notes.

- (a) in the First Year a minimum of 15 units is required. In the Second Year of a General Course and of all Honours Courses, at least 15 units are required; in certain Honours Courses, however, 18 units must be taken.
- (b) English 100 must be taken in the First Year and English 200 in the Second Year.
- (c) A language course must be taken in each of the First and Second Years (see Notes 1, 4).
- (d) At least one laboratory science course (3 units) must be taken in either the First or Second Year (see Note 5 below).
- (e) At least one humanities or social science course (3 units) must be taken in either the First or Second Year (see Note 6 below).
- (f) Electives taken in the First and Second Years must be selected in accordance with Notes 1, 2, 3, 7, 8 below.

## Reference Notes

1. Not more than one course numbered below 100, taken at the University or in Senior Matriculation, may be counted for credit for degrees in Arts and Science.

2. All courses for First Year credit must be selected from the following list. For prerequisites and other details, see pages 53-68.

Astronomy 120	Greek 100, 200
Bacteriology 100	History 101, 102
Biology 105	Latin 90, 110 or 120
Botany 105	Mathematics 101 or 120
Chemistry 101 or 102	Philosophy 100
Economics 100	Physics 101 or 103
English 100	Psychology 100
French 110 or 120	Russian 100
Geography 101	Spanish 90, 110 or 120
German 90, 110 or 120	Zoology 105

3. All courses for Second Year credit must be selected from the list in Note 2 or from the following additional subjects. For prerequisites and other details consult pages 53-68.

Anthropology 200	*History 200, 201, 304
Botany 205	Latin 210 or 220
Chemistry 200, 203, 205, 210	*Mathematics 201, 202, 205, 220, 221, 310
*Classical Studies 331	Philosophy 202, 210
*Commerce 151	Physics 200, 204, 206
Economics 200, 201	Political Science 200
*English 200, 202	Psychology 200, 206
French 210 or 220, 223	Russian 200
Geography 201	Sociology 200
Geology 200	Spanish 201
German 200	Zoology 202
Greek 202	

4. Students must meet the language requirements (b) by choosing courses in French, German, Greek, Latin, Russian, Spanish in accordance with one of the following plans:

(i) they must take a language course of the 100 level in the First Year, and a course in the same language of the 200 level in the Second Year;

(ii) they must take a language course numbered 90 in the First Year, a course in the same language of the 100 level in the Second Year, and, in the same language, a course of the 200 level in the Third or Fourth Year.

(iii) if their courses in the first two years include at least 12 units of laboratory sciences, or at least 9 units of laboratory sciences and 6 units of Mathematics,

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\* Commerce 151 is open only to those students who are permitted to register in the Second Year. English 202, History 304, and Mathematics 201, 220, 221, 310 are open only by special permission. For Classical Studies a knowledge of Greek and Latin is not required.

they may take, in the First and Second Years, any two (in the same or different languages) of French 110 or 120, 210 or 220, German 90, 110 or 120, 200, Greek 100, 200, 202, Latin 90, 110 or 120, 210 or 220, Russian 100, 200, Spanish 90, 110 or 120, 201. Only one course numbered 90, however, may be selected. Students whose courses in the combined First and Second Years include 18 units of laboratory science may defer the language of the Second Year to their Third or Fourth Year.

5. The compulsory laboratory science course must be chosen from Astronomy 120, Bacteriology 100, Biology 105, Botany 105, Chemistry 101 or 102, Geography 101, Physics 101 or 103, Zoology 105. A student who takes at least 18 units of languages (other than English) in the combined First and Second Years, may, however, defer this science course to the Third or Fourth Year.

6. The compulsory humanities or social science course must be chosen from Anthropology 200, Classical Studies 331, Economics 100, 200, Geography 201, History 101, 102, 200, 201, 304, Philosophy 100, Political Science 200, Psychology 100, and Sociology 200. A student who takes 12 units of laboratory science courses in the combined First and Second Years may defer this course to the Third or Fourth Year.

7. Mathematics 101 or 120 (preferably the latter for science and engineering) is required for admission to Applied Science (Architecture and Engineering), Commerce, Forestry, Medicine and Pharmacy. It is also a required subject for the B.Sc. degree, for majors or Honours in Mathematics and in most of the sciences, and for certain programmes in Economics, Philosophy and Psychology. Departments should be consulted. The pre-requisite for Mathematics 101 or 120 is Mathematics 91 of the British Columbia High School Programme, or the equivalent.

8. The special Honours elective, which must be chosen from the subjects listed in Notes 2 and 3, need be taken only by students who are proceeding to these Honours Courses which require 18 units in the Second Year. The individual departments should be consulted. See also pages 45-51.

### THIRD AND FOURTH YEARS

The requirements for a B.A. in a General Course and in an Honours Course, single or combined or double, are described in the following sections.

Except in an approved Honours Course, credit will not be given toward the B.A. degree for courses in Commerce (except 151 and 371), Education, Home Economics (except 210), Physical Education, and Social Work (except 499). Similarly credit for courses in other faculties will not be granted unless the courses are listed among those offered in the Faculty of Arts and Science or prior special permission has been obtained from the Committee on Admissions, Standing, and Courses.

Graduation standing in either a General or an Honours Course is determined on the results in all courses taken for the degree beyond the Second Year.

#### General Course Curriculum

In the combined Third and Fourth Years a minimum of 30 units, of which at least 15 units must be taken in the Third Year, are required. The following regulations apply:

1. Courses must be selected so as to include two majors in different subjects. In general a major in a subject consists of a 9-unit combination of courses, numbered 300 or higher, in that subject. Each major has a prerequisite course or courses, numbered less than 300, which should be taken in the first two years. Details of majors and prerequisites are given under each subject in which a major is offered. (See pages 45-51).

2. The two majors may not both be selected from different branches of the same subject.

3. In certain cases the prerequisite courses for majors may be taken in the Third Year, but courses thus taken may not be counted as part of the 9 units required for a major.

4. At least 6 units must be taken in a subject or subjects other than those from which the majors are selected.



5. The remaining units required for the combined Third and Fourth Year programme may be selected from courses, not already chosen, which are in the same subject as the majors or otherwise.

6. Not more than 9 units in courses numbered less than 300 may be counted for credit in the 30 units required in the combined Third and Fourth Years.

## HONOURS CURRICULUM

At the present time only a very limited number of Honours Courses are offered at the College.

A student may proceed to the B.A. degree in an Honours Course in a single subject (Single Honours) or in an Honours Course in two subjects. An Honours Course in two subjects may be a four-year course from High School Graduation (Combined Honours) or a five-year course from High School Graduation (Double Honours).

The B.A. in an Honours Course requires the completion of the First and Second Years in conformity with the regulations on pages 40-44. For Single or Combined Honours 51 units are required in the combined Second, Third, and Fourth Years; for Double Honours 66 units are required in the combined Second, Third, Fourth, and Fifth Years. For single Honours at least 18 of the requisite units in the combined Third and Fourth Years must be taken in the subject concerned and at least 6 units in another subject or subjects.

Prerequisites and requirements for Single and Combined Honours Courses are listed under those subjects in which such courses are offered. Combined Honours, however, may be taken only if the combination proposed is approved by the departments concerned.

Five-Year Double Honours Courses are open only to students well qualified to do intensive study in two fields. As requirements and prerequisites are not listed in the case of most subjects, the heads of departments concerned should be consulted as early as possible.

The following regulations govern Honours Courses:

1. A student proposing to take an Honours Course must obtain the consent of each department concerned. This consent will normally be given only if (a) the department or departments concerned are prepared to offer the Honours Course proposed; (b) the student has a clear academic record in the work of the first two years, and has at least Second Class standing in the work of the Second Year and in the subject or subjects of specialization; and (c) the student has completed all prerequisite courses. He may not continue in an Honours Course after the Third Year without the consent of the departments concerned.

2. A candidate for Honours may be required to present a graduating essay, which will count from 3 to 6 units. A candidate for Honours in two subjects will not be required to present more than one graduating essay. The latest date for receiving graduating essays in the second term is the last day of lectures; the corresponding date for the Autumn Congregation is October 1st.

3. A candidate for Honours may be required at the end of his Final Year to take a general examination, oral or written or both, as the department or departments concerned shall decide.

4. Honours are of two grades, First and Second Class. A student who passes all his courses but fails to obtain a Second Class in his graduating essay or who fails to attain a Second Class average for his Third and Fourth Year courses may be granted appropriate standing in a General Course.

## REQUIREMENTS FOR MAJORS AND HONOURS

### Anthropology

(a) Major—Second Year: Anthropology 200; Third and Fourth Years: total of 9 units in Anthropology courses numbered 300 or above.

(b) Single Honours—For admission to Third Year, First or high Second Class standing in Anthropology 200 is required, plus a reading knowledge of French, German, Russian, or Spanish.

(c) Combined Honours and Five-Year Double Honours—See University Calendar.

### Biochemistry

(a) Major—Third and Fourth Years: 9 units of biochemical or related courses numbered 300 or above, selected in consultation with the Department.

(b) Single Honours—First and Second Years: Chemistry 102 (or 101), 200, 203, Mathematics 101 (or 120), 202 (or 220), Physics 101, Zoology 105. Third and Fourth Years: see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours. Third and Fourth Years: see University Calendar.

### Biology

(a) Major—First and Second Years: Botany 105, Zoology 105. Third and Fourth Years: total of 9 units in biological courses selected in consultation with the Department.

(b) Single Honours—Students may take Honours in Biology through specialization in one of cytology, genetics, or animal physiology. Both Botany 105 and Zoology 105 are required for cytology and genetics, but only Zoology 105 in the case of animal physiology. It is recommended that 18 units be taken in the Second Year; it is required that 18 units be taken in each of the Third and Fourth Years. First Year: Botany 105 or Zoology 105, Chemistry 101 or 102, Mathematics 101 or 120; Second Year: Botany 105 or Zoology 105, Physics 101, Chemistry 200 or 205, Mathematics 202. Third and Fourth Years see University Calendar.

(c) Combined Honours—First and Second Years: as Single Honours.

### Botany

(a) Major—First and Second Years: Botany 105. and 205; Third and Fourth Years: a total of 9 units in Botany courses numbered 300 or above, approved by Department.

(b) Single Honours—Students may take Honours in any one of ecology, forest pathology, mycology, phycology, plant physiology or taxonomy. It is recommended that 18 units be taken in the Second Year; it is required that 18 units be taken in each of the Third and Fourth Years. First Year: Botany 105, Chemistry 101 or 102, Mathematics 101 or 120; Second Year: Botany 205, Zoology 105, Physics 101, Chemistry 200 or 205 (replaced by Geology 200 for taxonomy option). For Third and Fourth Years see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

### Chemistry

(a) Major—First Year: Chemistry 101 or 102, Mathematics 101 or 120, and Physics 101. Second Year: Chemistry 200 or 205, Mathematics 202. Third and Fourth Years: Chemistry 300 (or 203 and 303), 304 and 310, Physics 204 and Chemistry 311 are strongly recommended.

(b) Single Honours—First Year: Chemistry 102 (or 101), Mathematics 120 (or 101), Physics 101. Second Year: Chemistry 200, 203; Mathematics 220, (or with permission Math. 202), Physics 201, and 6 additional units. Third and Fourth Years see University Calendar.

(c) Honours in Chemistry and Mathematics, Chemistry and Physics, or Combined Honours—First and Second Years: as for Single Honours.

### Classical Studies

Any three of the following courses constitute a major in Classical Studies: Classical Studies 315, 316, 331, 333, 430, 433.

A knowledge of the Greek and Latin languages is not required for any of the above courses, which are designed to present studies in the life, literature and thought of the Greek and Roman world. Classical Studies 331 may be taken by Second Year students and three units of credit in History will be given for this course.

### Economics

(a) Major prerequisites: for admission to Third Year, Economics 200 and one of Economics 100, 201. Mathematics 205 and 202 also recommended. Third and Fourth Years: Economics 300 and 6 additional units in courses numbered 303

and above allowed for Economics credit; exceptions, by permission of the Department, granted only to students taking Economics 405 and 406.

(b) Single Honours—prerequisites: for admission to Third Year, a reading knowledge of French, German or Russian; Economics 100, a First or Second Class in Economics 200; Economics 201; Mathematics 101 or 120. Students are reminded that they may take 18 units in their Second Year. They are encouraged to take their laboratory science course in the First Year, and to choose at least one course from the following in their Second Year: Commerce 151, Geography 201, Mathematics 202 or 220, Mathematics 201, Mathematics 205, Political Science 200, History 101, 102, 200 or 201, Sociology 200, Anthropology 200. For Third and Fourth Years see University Calendar.

(c) Combined Honours—prerequisites: for admission to Third Year, a reading knowledge of French, German or Russian; a First or Second Class in Economics 200; Economics 201.

(d) Five-Year Double Honours: prerequisites and requirements the same as for Single Honours in Economics, except, that Economics 100 is not a compulsory requirement.

### English

(a) Major—First Year: English 100 (Literature and Composition); Second Year: English 200; Third and Fourth Years: total of 9 units in English courses numbered 400 and above, chosen in consultation with the Department.

(b) Major in Writing—Prerequisites: English 100, 200, and 202; 9 units must be chosen in consultation with the Department.

(c) Single Honours—Prerequisites for admission to Third Year include a First or high Second Class mark in English 200, and approval of the Department. In the last three years at least 51 units are required. Second Year: 15 units including English 200. For Third and Fourth Years see University Calendar.

(d) Combined Honours—as for Single Honours.

### French

(a) Major—First Year: French 120 or satisfactory standing in French 110; Second Year: French 220, or satisfactory standing in French 210; Third and Fourth Years: 9 units of French courses numbered 300 or higher, including 300 and 302.

(b) Single Honours—First Year: French 120 or satisfactory standing in French 110 and one year of Latin (if Latin 92 has not been passed in high school); Second Year: French 220 and 223. For Third and Fourth Years see University Calendar.

(c) Combined Honours—As for Single Honours.

### Geography

(a) Major—First or Second Year: Geography 101 and 201. Third and Fourth Years: (i) one of 301, 302, 303, 304, 306, 307, 310 and (ii) one of 404, 406, 408, 409, 410 and (iii) 3 additional units from group (i) or (ii).

(b) Single Honours—First two years: Geography 101, Mathematics 101 or 120 and two years of a modern language; Geography 201. For Third and Fourth Years see University Calendar.

(c) Combined Honours—See University Calendar.

### Geology

Students who intend to make Geology their profession are advised to take Geological Engineering or an Honours Course leading to the B.Sc. Degree.

(a) Major—In the first two years, English 100; one course of foreign language (German or Russian preferably); Mathematics 101 or 120, and 202; Chemistry 101 or 102; Physics 101; Zoology 105 or Botany 105; Geology 200; one of Chemistry 200, 205, or Physics 200; a non-science elective. For Third and Fourth Years see University Calendar.

(b) Honours—In the first two years, as above, but an additional 3 units are advisable in the Second Year.

### German

(a) Major—First Year: German 110 or 120; Second Year: German 200 and/or German 223; Third and Fourth Years: a total of 9 units in German courses numbered 300 or above.



(b) Single Honours—First Year: German 110 or 120 (with First Class or high Second Class standing); Second Year: German 200 and 223. For Third and Fourth Years see University Calendar.

(c) Combined Honours—See University Calendar.

### Greek

(a) Major—First and Second Years: two courses in Greek; Third and Fourth Years: 9 units in Greek, or 6 units in Greek plus 3 units in Classical Studies.

(b) Single Honours in Greek—First and Second Years; two courses in Greek. For Third and Fourth Years see University Calendar.

### History

(a) A major consists of 9 units (three courses) in courses accepted for credit in History, of which at least 6 must be selected from regular departmental offerings. These courses should be selected in consultation with one of the members of the Department from two of the following areas of interest: American, British, Canadian, Commonwealth, European. Prerequisites for these areas of interest are as follows—American: History 212; British and Commonwealth: History 201; Canadian: History 102; European: History 200.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in History 200, and a reading knowledge of French, German, Russian or Spanish. In the last three years candidates will offer at least 51 units. Second Year: 15 units (recommended courses are English 200, French 210 or 220 or the equivalent in German, Russian or Spanish, one of History 102 or 201, and two electives.). Students who have not taken History 102 in the First Year should take it in the Second Year. Third and Fourth Years: Four required courses: History 304, 333, 433, 449; four courses in an area of special interest to the student which may be European, or a combination of Canadian with American, British, Commonwealth, or European; two other courses in the Department and two outside the Department.

Students whose standing in Honours History during the Third Year is inadequate may, at the discretion of the Department, be required to discontinue the Honours Course.

An Honours paper will be set at the end of the Fourth Year on the work of the seminars and of the courses studied in the areas of special interest. There will be an oral examination on the field covered in the graduating essay.

(c) Combined Honours—See University Calendar.

Notes: (1) Students who intend to specialize in History are advised to include in their programme some of the following related courses: Anthropology 200; Economics 100, 200; Geography 201, 303, 409; Philosophy 100; Political Science 200, 300; Sociology 200. (2) A reading knowledge of French, German, Russian or Spanish is useful. (3) All courses numbered above 300 are open to both Third and Fourth Year students.

### International Studies

(a) Major—First and Second Years: at least one of Economics 200, History 101, History 200, History 201; courses to give a reading knowledge of French, German, Spanish or Russian are advised; Third and Fourth Years: total of 9 units in courses numbered 300 or above, accepted for credit in International Studies, of which 6 must be from regular Departmental offerings.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in History 101 or Economics 200 and a reading knowledge of French, German, Russian or Spanish. Second Year: English 200, French 210 or 220 (or its equivalent), Economics 200, History 101 (if not already taken) or History 102. For Third and Fourth Years see University Calendar.

(c) Combined Honours—as for Single Honours. See University Calendar for Third and Fourth Years.

### Latin

(a) Major—First Year: Latin 110 or 120; Second Year: Latin 210 or 220; Third and Fourth Years: total of 9 units in Latin courses numbered above 300, or 6 units in Latin courses numbered above 300 plus 3 units in Classical Studies.

(b) Single Honours in Classics—By the end of the Second Year the student should have completed Latin 220 and two courses in Greek. For Third and Fourth Years see University Calendar.

(c) Single Honours in Latin—By the end of Second Year the student should have completed Latin 220. For Third and Fourth Years see University Calendar.

(d) Combined Honours (Classics)—First and Second Years: the student should elect Latin and Greek in each year. For Third and Fourth Years see University Calendar.

(e) Combined Honours (Latin)—By the end of Second Year the student should have completed Latin 220. For Third and Fourth Years see University Calendar.

### Mathematics

(a) Major—First and Second Years: Mathematics 101 or 120, 202; Third and Fourth Years: total of 9 units chosen from Mathematics 300, 301, 302, 305, 306, 308, 310, 405, 410, 412.

(b) Single Honours—Students may take Honours in (i) Mathematics, (ii) Mathematics (Actuarial Option), (iii) Applied Mathematics. A reading knowledge of French, German, or Russian is highly desirable and students who have taken French in High School should take German or Russian. First Year: Mathematics 101 or 120, Physics 101, Economics 100 or Psychology 100 (Actuarial Option), Chemistry 101 or 102 (Applied Mathematics); Second Year: Mathematics 220, 221, Physics 206. For Third and Fourth Years see University Calendar.

(c) Combined Honours— See University Calendar.

### Mediaeval Studies

Prerequisites for admission to the Third Year: Philosophy 100, Classical Studies 331 (open to Second Year students), Latin 220 or its equivalent (which may be taken in Third Year but will not count for course). For Third and Fourth Years see University Calendar.

### Philosophy

(a) Major—First Year: Philosophy 100; Second Year: Philosophy 202 or 212; Third and Fourth Years: Philosophy 210 or 310, and six additional units in Philosophy courses numbered 300 or above, chosen in consultation with the Department.

(b) Single Honours—First and Second Years: Mathematics 101 or 120, Philosophy 100, and 3 units of laboratory science. Third and Fourth Years: Philosophy 202 or 212, and 15 additional units in Philosophy selected in consultation with the Department.

(c) Combined Honours—First and Second Years: as for Single Honours. For Third and Fourth Years see University Calendar.

(d) Five-Year Double Honours—Same as for Single Honours.

### Physics

(a) Major—First Year: Mathematics 101 or 120, and Physics 101; Second Year: Mathematics 202, Physics 200; Third and Fourth Years: Physics 300, 308 and 400.

(b) Single Honours—First Year: Chemistry 101 or 102, Mathematics 101 or 120, Physics 101; Second Year: Mathematics 220, 221, Physics 204, 206, and 6 additional units chosen to meet Calendar regulations among which Chemistry 200 is recommended. For Third and Fourth Years see University Calendar.

(c) Honours in Physics and Mathematics—First and Second Years: as for Single Honours.

(d) Combined Honours (Physics with a subject other than Mathematics or Geology)—First Year: Mathematics 101 or 120, Physics 101; Second Year: Mathematics 202 or 220, Physics 204, 206. For Third and Fourth Years see University Calendar.

(e) Honours in Physics and Geology—First Year: as for Single Honours; Second Year: Chemistry 200 or 205, Geology 200, Mathematics 202 or 220, Physics 204, 206 and 3 additional units to meet Calendar regulations. For Third and Fourth Years see University Calendar.

### Physiology

(a) Single Honours—First and Second Years: Chemistry 101 or 102, and 200 or 205, Mathematics 101 or 120, Physics 101, and Zoology 105; Third and Fourth Years: see University Calendar.

(b) Combined Honours—First and Second Years: as for Single Honours.

### Political Science

(a) Major—Prerequisite: Political Science 200 or 201; Third and Fourth Years: 9 units in Political Science numbered 300 or above.

(b) Single Honours—Prerequisites for admission to Third Year. A reading knowledge of French, German or Russian: First or Second Class standing in Political Science 200 or 201. Students are advised to take both of these courses and Economics 200 in their Second Year. For Third and Fourth Years see University Calendar.

(c) Combined Honours—The same prerequisites as for Single Honours. For Third and Fourth Years see University Calendar.

(d) Five-Year Double Honours—See University Calendar.

### Psychology

For students planning a major at Victoria College one of the following programmes is recommended.

(a) Major—(1) General Major, not intended to lead to further work in Psychology: First and Second Years: Psychology 100 and 206; Third and Fourth Years: Psychology 305, 308 and at least three more units in Psychology. (2) Professional Major: First and Second Years: Psychology 100 and 200; Third and Fourth Years: Psychology 305, 410 and at least nine more units in Psychology. Students who wish to major in Psychology must have their programmes approved by the Department before enrolling in Third and Fourth Year courses.

(b) Single Honours: First and Second Years: Zoology 105, Mathematics 101 or 120, Psychology 100 and 200. Third and Fourth Years: Professional Major (as above) plus Psychology 449. Courses to be selected in consultation with the departmental adviser.

### Renaissance Studies

The Departments of Classics, English, French, German, History, Philosophy, Slavonic Studies, Spanish, Fine Arts, and the School of Architecture, have combined their appropriate courses to offer an Honours B.A. in Renaissance Studies.

These courses are also open to students taking the General B.A. degree who may, if they wish, work under the supervision of the Committee on Renaissance Studies.

Prerequisites for admission to the Third Year: Philosophy 100, History 201 (or History 101 or 102), Latin 90 or High School equivalent. In addition, students in their First and Second Years are advised to take at least one of the following: Economics 100, Economics 200, Fine Arts 225, History 304, and a course in a second language. Third and Fourth Years see University Calendar.

### Russian

(a) Major—First Year: Russian 100 or 101; Second Year: Russian 200 or 203; Third and Fourth Years; a total of 9 units in Russian courses numbered 300 or above.

### Sociology

(a) Major—Second Year: Sociology 200. Third and Fourth Years: three courses in Sociology.

(b) Single Honours—Prerequisites: for admission to the Third Year, a reading knowledge of French, German, or Russian and a First or high Second Class standing in Sociology 200. Third and Fourth Year Course see University Calendar.

(c) Combined Honours (Sociology combined with some other subject)—Prerequisites for admission to Third Year: as for Single Honours.

(d) Five-Year Double Honours (Sociology and some other subject)—See University Calendar.

### Spanish

(a) Major—First and Second Years: Spanish 110 or 120, and 201; Third and Fourth Years: 9 units in Spanish courses numbered 300 or higher; or First and



Second Years: Spanish 90 and Spanish 110 or 120; Third and Fourth Years: Spanish 201 and 9 units in Spanish courses numbered 300 or higher. (A course numbered 300 or higher may be taken concurrently with 201, with the consent of the Department.)

(b) Single Honours—First Year: Spanish 110 or 120 and one year of Latin (if Latin 92 has not been passed in high school). Second Year: Spanish 201; Third and Fourth Years: 18 units in Spanish courses numbered 300 and above, including 300 and 449.

(c) Combined Honours—First and Second Years: as for Single Honours. See University Calendar.

#### Zoology

(a) Major—First Year: Zoology 105; Second Year: Zoology 202; Third and Fourth Years: 6 units from the general courses in Zoology, and 3 units from the special courses in Zoology. Biology 332, 333 may be included in the above.

(b) Single Honours—First Year: Zoology 105, English 100, Mathematics 101 or 120, Chemistry 101 or 102, Language. Second Year: Zoology 202, Physics 101, Chemistry 205 or 210, Botany 105, Language (advised), non-science elective. Third and Fourth Years: see University Calendar.

## COURSES LEADING TO THE DEGREE OF B.Sc.

At the discretion of the departments concerned, a student may proceed to the B.Sc. degree in the fields of Bacteriology, Biochemistry, Biology, Botany, Chemistry, Geology, Mathematics, Physics, Physiology and Zoology. Subject to the exceptions noted in the next paragraph, the degree may be taken in a Single, Combined, or Double Honours Course in one or more of these fields, or in a General Course in which two of these subjects are majors.

In Physiology, however, only an Honours Course is offered, and in the Honours Course in Mathematics only the Applied Mathematics option is permitted, for the B.Sc. degree.

### FIRST AND SECOND YEARS

Courses in each of the First and Second Years must be chosen to conform, not only with the rules and regulations in preceding pages, but also with the requirements set forth in the following regulations and notes.

- (a) In the First Year a minimum of 15 units is required. In the Second Year of a General Course and of all Honours Courses, at least 15 units are required; in certain Honours Courses, however, 18 units must be taken.
- (b) English 100, Mathematics 101 or 120, two science courses (see Note 2 below), and one language course (see Note 1 below) must be taken in the First Year.
- (c) Three science courses (see Note 2 below) and one non-science elective (see Note 3 below) must be taken in the Second Year.
- (d) General electives must be selected in accordance with Notes 1, 2, 3, and 8 on pages 43-44.

#### Reference Notes:

1. The language requirement in (b) must be met by the selection of one course chosen from French, German, Greek, Latin, Russian, and Spanish. Students who may transfer to Engineering should note that the course must be selected from French, German, Latin (110 or 120 only), Russian.

2. The two required science courses in the First Year must be selected from Bacteriology 100, Botany 105, Chemistry 101 or 102, Physics 101, Zoology 105. The three required science courses in the Second Year must be selected from those in the foregoing list, not already taken, or from Botany 205, Chemistry 200 or 205, Geology 200, Mathematics 202 or 220, Physics 200, 204, 206, Zoology 202. No two of the required sciences in the Second Year, however, may be selected from the same department.

3. The non-science elective required in (c) above must be a course without laboratory, not already taken, selected from English, Languages, Anthropology, Classical Studies, Economics, Geography, History, Philosophy, Political Science, Psychology, and Sociology, and chosen from the courses in notes 2, 3, page 43.

### THIRD AND FOURTH YEARS

The requirements for the B.Sc. degree in the Third and Fourth Years are the same as those stated on pages 44 and 45 for the B.A. degree. The following special regulations, however, should be noted:

**General Course.** The courses selected must include two 9-unit majors in two different departments chosen from Bacteriology and Immunology; Biochemistry; Biology and Botany; Chemistry; Geology; Mathematics; Physics; Zoology. In the combined Third and Fourth Years a student must also take at least two courses (6 units) chosen from English, Languages, Anthropology, Classical Studies, Economics (except courses in statistics), Geography (non-science courses without laboratory), History, Philosophy, Political Science, Psychology (non-laboratory courses), Sociology,

**Honours Courses.** See page 45 and department requirements.

## COURSES IN ARTS AND SCIENCE

The number of units assigned to a course is given in round brackets immediately following the course number. Thus 105 (3) under Biology indicates that Biology 105 is a three-unit course.

The hours assigned for laboratory, lectures and tutorials in a course are indicated as follows:

- |  |                |
|--|----------------|
| 2 lectures and 3 hours laboratory per week, both terms.                                  | (2-3; 2-3)     |
| 1 lecture and 2 hours laboratory per week, first term.                                   | (1-2; 0-0)     |
| 1 lecture and 2 hours laboratory per week, second term.                                  | (0-0; 1-2)     |
| 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, either term. | (2-3-2)        |
| 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, both terms.  | (2-3-2; 2-3-2) |

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### ANTHROPOLOGY

**Note:** Anthropology 200 is given for the general student as well as for those intending to major in Anthropology. Anthropology 200 is prerequisite for all other courses, unless otherwise stated, but may be taken concurrently.

200. (3) **Introduction to Anthropology.**—A comparative study of cultural institutions in the primitive world; of family and other social structures; of economics, government, language, art, religion; of the origins of man and culture, the races of mankind and the nature of race. (3-0; 3-0)

Text-book: To be announced.

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### ASTRONOMY

120. (3) **Elementary Astronomy.**—An introductory course, dealing with the solar system, the sun, the moon, the planets, comets and meteors; coordinate systems; the nature of light; astronomical instruments; the physical nature of stars and stellar systems; practical work on the identification of stars and constellations; historical and philosophical implications of astronomy; discussions of current astronomical studies and discoveries. Prerequisite: Mathematics 91 and Physics 91.

Text-book: Baker, *Astronomy* (7th ed.). (3-2; 3-2)

300. (3) **Fundamental Astronomy and Elementary Astrophysics.**—Spherical trigonometry and coordinate systems; the effects of refraction, annual parallax, aberration, precession and nutation on the apparent position of a star; planetary motions and orbits; other problems of celestial mechanics. Observed characteristics of stars; physical interpretation of stellar spectra; stellar structure; stellar evolution. Prerequisites: Astronomy 100, Mathematics 202 or 220 and Physics 200. The Mathematics and Physics courses may be taken concurrently.

Text-book: Smart, *Spherical Astronomy*.

References: Kurth, *Introduction to the Mechanics of the Solar System*; Russell, Dugan and Stewart, *Astronomy, Volume II*; Hynek (Editor), *Astrophysics*. (3-0; 3-0)

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### BACTERIOLOGY AND IMMUNOLOGY

100. (3) **Introductory Bacteriology.**—History of bacteriology; bacteria in nature; classification of bacterial forms; methods of culture and isolation; relation of bacteria to agriculture, industry, veterinary science, public health and sanitation. Prerequisite: Chemistry 101 or 102, which may be taken concurrently. This course is prerequisite to all other courses in the Department. (2-3; 2-3)

Text-books: Frobisher, *Fundamentals of Microbiology*; Pelczar and Reid, *Microbiology*.



## BIOLOGY

Biology 105 is planned for students who intend taking no other courses in Biology, Botany, or Zoology. It is not prerequisite to Botany 105, Zoology 105, or any course in Biology.

105. (3) **Fundamentals of Biology.**—The principles of biology with emphasis upon its relation to man, Characteristics of living things; life processes; plants and animals; heredity and evolution; environmental relationships. Credit will not be given both for this course and Biology 100 (Senior Matriculation).

Text-book: W. C. Beaver, **General Biology**, Fifth Ed. (3-3; 3-3)

320. (3) **General Ecology.**—Methods and principles of ecology; plant and animal communities; bioecology. Laboratory and field work. Prerequisites: Botany 105, Zoology 105.

Text-book: To be announced. (2-3; 2-3)

332. (2) **Introduction to Genetics.**—A course of lectures serving as an introduction to the principles, methods, and applications of genetics. Time will be devoted to some consideration of heredity in man. Prerequisite: Botany 105 or Zoology 105.

Text-book: Sinnott, Dunn and Dobzhansky, **Principles of Genetics**, Fifth Ed. (2-0; 2-0)

333. (1) **Laboratory in Introductory Genetics.**—Designed for students who wish laboratory work in the principles, methods and applications of genetics. Planned to supplement Biology 332 which must be taken either concurrently or previously. Prerequisites: Botany 105 or Zoology 105.

Text-books: Gardner, **Genetics Laboratory Exercises**; Demerec, **Drosophila Guide**. (0-2; 0-2)

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## BOTANY

105. (3) **Introduction to Botany.**—General perspective of the plant kingdom, physiological anatomy, ecological relations, and developmental trends.

Text-book: Cronquist, **Introductory Botany**, 1961. (3-3; 3-3)

205. (3) **Morphology of Plants.**—A survey of the plant kingdom with emphasis on comparative and evolutionary features. Prerequisite: Botany 105.

Text-book: Gilbert Smith, **Cryptogamic Botany**, Volumes 1 and 2, 1955. (2-3; 2-3)

404. (3) **Taxonomy of Vascular Plants I.**—Prerequisite: Botany 205.

Text-book: To be announced. (1-4; 1-4)

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## CHEMISTRY

101. (3) **General Chemistry.**—Fundamental theories, periodic table, descriptive inorganic chemistry, chemical calculations, modern valency concepts, elementary nuclear chemistry. Mathematics 101 or 120 must precede or be taken concurrently.

Text-book: Sisler, Vander Werf, and Davidson, **College Chemistry: A Systematic Approach**, Second Ed. (3-3; 3-3)

102. (3) **General Chemistry.**—Similar to Chemistry 101 but in somewhat more detail. This course is intended only for prospective Honours science and engineering students. Prerequisites: Mathematics 101 or 120 and Physics 101 which must precede or be taken concurrently.

Text-book: Sienko and Plane, **Chemistry**, New Ed. (3-3; 3-3)

200. (3) **Analytical, Inorganic and Physical Chemistry.**—The fundamental principles of analytical, inorganic and physical chemistry. The laboratory course largely consists of experiments designed to illustrate the principles of modern chemistry. Prerequisites: Chemistry 101 or 102 and Mathematics 101 or 120. This course is only for those students intending to take an Honours degree or to major in the physical sciences. The permission of the head of the department is required before enrolling.

Text-books: Gould, **Inorganic Reactions and Structures**; E. J. King, **Qualitative Analysis and Electrolytic Solutions**. (3-4; 3-1)

203. (3) **Organic Chemistry.**—Fundamental principles of the chemistry of aliphatic, aromatic, alicyclic and heterocyclic organic compounds. This course is only for prospective Honours (or Major) students in physical sciences. Prerequisites: Chemistry 102 (or 101). Chemistry 200 must be taken concurrently.

Text-book: Crain and Hammond, **Organic Chemistry**, 1959. (3-3; 3-3)

205. (3) **Physical-Inorganic and Analytical Chemistry.**—Systematic inorganic chemistry, properties of matter from a molecular standpoint, equilibria in solution, physical chemistry useful in biological, medical, agricultural, and related sciences. This course is not intended for Honours (or Majors) students in physical sciences. Prerequisites: Chemistry 101 or 102, and Mathematics 101 or 120. Credit will not be given for both Chemistry 200 and 205. (2-4; 2-4)

Text-book: E. J. King, **Qualitative Analysis and Electrolytic Solutions**.

210. (3) **Introduction to Organic Chemistry.**—A terminal course dealing with fundamental principles of organic chemistry as well as applications and uses of organic substances. Prerequisites: Chemistry 101 or 102, and Mathematics 101 or 120. Credit will not be given for both Chemistry 210 and 300 (or for 203, 303, and 300).

Text-books: To be announced. (2-3; 2-3)

**Primarily for Third and Fourth Year students.**

300. (3) **Organic Chemistry.**—Fundamental principles as illustrated by the main classes of organic compounds in the aliphatic and aromatic series. Prerequisite: Chemistry 200 or 205.

Text-book: Morrison and Boyd, **Organic Chemistry**. (3-3; 3-3)

303 (2) **Theoretical Organic Chemistry.**—Modern theories of organic chemistry. Organic ions and radicals as stable entities and as reactive intermediates. Stereochemical, isotopic, and physical methods of elucidating organic reaction mechanisms. Prerequisites: Chemistry 203 and 304 (the latter may be taken concurrently).

Text-book: To be announced. (2-0; 2-0)

304. (3) **Physical Chemistry.**—Elementary quantum theory; atomic spectra; atomic and molecular structure; states of matter; elementary thermochemistry, thermodynamics, and electrochemistry; chemical equilibria; chemical kinetics; colloid chemistry. Prerequisites: Chemistry 200 or 205 (or Physics 200) and Mathematics 202 or 220. Mathematics 300 concurrently is recommended. (3-3; 3-3)

References: Maron and Prutton, **Principles of Physical Chemistry**, Revised; Crockford and Nowell, **Laboratory Manual of Physical Chemistry**; Daniels, **Mathematical Preparation for Physical Chemistry**.

310. (3) **Inorganic Chemistry.**—A comprehensive treatment of the periodic system of the elements in terms of modern theories of chemical bonding, structure, and reaction mechanisms. The practical work consisting of the preparation and characterization of representative inorganic compounds. Prerequisite: Chemistry 200 or 205.

References: Moeller, **Inorganic Chemistry**; Vogel, **Text-Book of Micro and Semimicro Inorganic Analysis**. (3-4; 3-4)

311. (2) **Modern Analytical Methods.**—An introduction to modern methods of chemical analysis, including gas chromatography, infra-red and ultra-violet spectrophotometry, polarography, mass spectrometry, X-ray diffraction, etc. The quantitative analysis of the less familiar elements. Prerequisite: Chemistry 200 or 205. (1-4; 1-4)

312. (2) **Structural Chemistry.**—Elementary crystal chemistry. An introduction to molecular structural determinations by the methods of X-ray and neutron diffraction, electron diffraction, dipole moments, ultra-violet and infra-red spectroscopy, and nuclear magnetic resonance spectroscopy. Prerequisite: Chemistry 200 or 205.

Text-book: To be announced, Not offered 1961-62. (2-0; 2-0)

409. (1½) **Advanced Organic Chemistry I.**—Lecture outline: (1) literature of organic chemistry; (2) modern aliphatic chemistry; (3) synthetic methods. Laboratory work: qualitative organic analysis. Prerequisite: Chemistry 300, or 203 and 303.

Text-book: Shriner, **The Systematic Identification of Organic Compounds**. (2-4; 0-0)

410. (1½) **Advanced Organic Chemistry II.**—Lecture outline: (1) mechanism of organic reactions; (2) alicyclic compounds—terpenes, steroids; (2) heterocyclic compounds; (4) infra-red and ultra-violet spectra and molecular constitution. Laboratory work: illustrative modern techniques and procedures. Prerequisites: Chemistry 300 (or 203 and 303), and 409.

Text-book: Shriner, *The Systematic Identification of Organic Compounds*.

(0-0; 3-3)

417. (1) **Isotope Chemistry.**—Radioactivity, stable and radioactive isotopes. Nuclear reactions. Separation and preparation of isotopes Uses of isotopes as tracers. Unstable elements. Elementary radiation chemistry.

Text-book: Friedlander and Kennedy, *Nuclear and Radiochemistry*. (1-0; 1-0)

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## CLASSICAL STUDIES

(Given by the Department of Classics)

331. (3) **Ancient History.**—The rise of the Greek city-states; special emphasis on the political, economic, and cultural achievements of the fifth and fourth centuries B.C.; the growth of Rome and the development of her political institutions during the Republic; the social and economic history of the Empire; the transition from the classical to the mediaeval world. A knowledge of the Greek and Latin languages is not required. Three units of credit in History will be given for this course.

Text-book: Rostovtzeff, *Rome*.

(3-0; 3-0)

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## COMMERCE

Commerce 151 is open only to those students who are permitted to register in the Second Year.

151. (3) **Fundamentals of Accounting.**—An introductory course on fundamental bookkeeping procedure, preparation of financial statements and uses which may be made of accounting data in operating business enterprise.

Text-book: Finney and Miller, *Principles of Accounting, Introductory* (5th Ed.).

(3-0; 3-0)

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## ECONOMICS

Economics 200 is a prerequisite to all Third and Fourth Year courses except Economics 304, 405 and 406.

100. (3) **Economic History of Europe.**—Influence of geographic factors, discoveries and inventions, religion, business and labour organizations, and government on the economic development of civilizations from Ancient Greece and Rome to Western Europe in 1939.

Text-books: Heaton, *Economic History of Europe*, Revised Ed.; Barrow, *The Romans*, Pelican; Kitto, *The Greeks*, Pelican.

(3-0; 3-0)

200. (3) **Principles of Economics.**—The institutions, processes and agencies which provide for our individual and collective well-being; basic determinants of prices and costs, real and money incomes, employment and living standards. Prerequisites: First Year standing; Mathematics 91 (of high school) or equivalent.

Text-book: Bellan, *Principles of Economics and Canadian Economy*. (3-0; 3-0)

201. (3) **Economic History of Canada.**—From the beginning of settlement to the present day. Special emphasis is given to the growth of the Canadian economy in relation to changing market conditions, communications, staple products and technology. (Not offered in 1961-62).

Text-book: Easterbrook and Aitkin, *Canadian Economic History*. (3-0; 3-0)

300. (3) **Intermediate Economic Analysis.**—Theory of demand; production; equilibrium of the firm; distribution; monopoly and monopolistic competition; general equilibrium. Theories of the value of money, of interest and employment; inflation;



economic growth and economic fluctuations.

Text-book: Due and Clower, **Intermediate Economic Analysis.** (3-0; 3-0)

303. (3) **History of Economic Thought.**—The development of economic analysis from ancient to modern times including some description of the changing environment in which economists wrote. Readings include selections from the classics in the field from Aristotle to Keynes. (3-0; 3-0)

Text-book: Roll, **History of Economic Thought**, Enlarged, Third Ed.

402. (3) **International Trade.**—Comparative costs and factor endowments; terms of trade; free trade vs. protection; monetary mechanism; gold vs. paper; internal vs. external stability; the transfer problem; capital movements. Prerequisite: Economics 300 which may be taken concurrently.

Text-books: Kindleberger, **International Economics**; Meade, **A Geometry of International Trade.** (3-0; 3-0)

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## ENGLISH

### Prerequisites

All students in First Year are required to take English 100 (Literature and Composition). This course is prerequisite to English 200.

English 200 or its equivalent is prerequisite to all English courses above 300.

Every student is required to own a good dictionary, e.g., "The Concise Oxford Dictionary," "The American College Dictionary," "Webster's Collegiate Dictionary," "The Winston Simplified Dictionary."

### First Year

100. (3) **Literature and Composition.**—A study of literature in the nineteenth and twentieth centuries, and of the principles of composition. Themes and exercises are required.

Text-books: **A Little Treasury of Modern Poetry**, revised edition, Ed. O. Williams; Shaw, **Saint Joan**; Shakespeare, **Othello**; **Masters and Masterpieces of the Short Story**, Ed. McClennen; **Four Great Comedies of the Restoration and Eighteenth Century**; Huxley, **Brave New World**; **Four Modern Plays**, Rinehart Ed.; Marckwardt and Cassidy, **Scribner Handbook of English**, Third Ed.; Thouless, **Straight and Crooked Thinking**; Yaggy, **How to Write Your Term Paper.** (4-0; 4-0)

### Second Year

200. (3) **Literature and Composition.**—A study of literature from Chaucer to the nineteenth century and of the principles of composition. Themes and exercises are required.

Texts: **The College Survey of English Literature**, revised edition, Whiting, et al.; Shakespeare, **Hamlet** and **Henry IV, Part I**; Austen, **Pride and Prejudice**; Fielding, **Tom Jones.** (3-0; 3-0)

202. (3) **Writing.**—Practice in imaginative writing, with particular attention to the short story, the familiar essay, the novel, the one-act play, and to contemporary verse forms, but with reference also to radio and television forms. Also, candidates must submit for judgment, an original manuscript in one of the forms listed above. Prerequisite: English 100. (3-0; 3-0)

### Third and Fourth Years

300. (3) **English Composition.**—A study of the principles and practice of good writing. For students in the College of Education only.

Text-books: **Webster's New Collegiate Dictionary**; **Roget's Thesaurus.** (3-0; 3-0)

301.(3) **Children's Literature.**—A survey of children's literature from early sources to recent books. An historical approach to the appraisal of books and authors for children. For credit only in the College of Education. (3-0; 3-0)

Text-book: To be announced.

400. (3) **Advanced English Composition.**—The course gives practice in writing the personal essay and the research paper. Stress is placed on the development of the student's own style. Competent use of the English language is prerequisite.

Text-books: A good dictionary (Webster's Collegiate, etc.); Roget's Thesaurus. (3-0; 3-0)

411. (3) **The Drama to 1642.**—Main emphasis upon the major Elizabethan dramatists, including Shakespeare; some attention is given to the influence of Greek and Roman dramatic theory and practice. (Not offered 1961-62).

Text-book: Brooke and Paradise, *English Drama, 1580-1642*. (3-0; 3-0)

412. (3) **Shakespeare.**—Lectures on various aspects of Shakespeare's art. Detailed study of Richard III, Richard II, *As You Like It*, *Twelfth Night*, *Othello*, *Macbeth*, *Coriolanus*, *The Tempest*.

Text-books: Shakespeare, *The Complete Works*, Ed. G. B. Harrison; *Life in Shakespeare's England*, Ed. J. D. Wilson; *The Age of Shakespeare*, Ed. Boris Ford; D. A. Traversi, *An Approach to Shakespeare*. (3-0; 3-0)

413. (3) **Shakespeare.**—Lectures on various aspects of Shakespeare's art. Detailed study of *Romeo and Juliet*. *A Midsummer Night's Dream*, *The Merchant of Venice*, *Henry V*, *Measure for Measure*, *King Lear*, *Antony and Cleopatra*, *The Winter's Tale*. (Not offered 1961-62.)

Text-books: Same as for English 412. (3-0; 3-0)

424. (3) **Seventeenth-Century Literature.**—The century's prose and poetry, exclusive of Milton. Emphasis upon the ideas, forms and styles as an expression of the educational, religious, moral and political controversies of the age.

Text-books: Coffin and Witherspoon, *Seventeenth Century Prose and Poetry*; Bunyan, *Pilgrim's Progress*, Ed. Martz, Rinehart Edition; *A Guide to English Literature: From Donne to Marvell*, Ed. Boris Ford. (3-0; 3-0)

426. (3) **Eighteenth-Century Literature.**—From the Age of Anne to the end of the eighteenth century; the Age of Pope, and the Age of Johnson. The significant authors are related to the broad cultural movements of the period. (Not offered 1961-62).

Texts: Shepard and Wood, *English Prose and Poetry, 1660-1800*; *Twelve Famous Plays of the Restoration and Eighteenth Century*, Modern Library. (3-0; 3-0)

427. (3) **The English Novel.**—A study of the major novelists of the eighteenth and nineteenth centuries. Required reading: Richardson, *Pamela*; Defoe, *Moll Flanders*; Fielding, *Joseph Andrews* and *Tom Jones*; Smollett, *Roderick Random*; Sterne, *Tristram Shandy*; Walpole, *Castle of Otranto*; Scott, *Heart of Midlothian*; Austen, *Emma*; Dickens, *Martin Chuzzlewit* and *Great Expectations*; Thackeray, *Vanity Fair*; Meredith, *The Egoist*; Hardy, *The Return of the Native*; Butler, *The Way of All Flesh*; Bronte, *Jane Eyre* and *Wuthering Heights*; Eliot, *Adam Bede*; Trollope, *Barchester Towers*; Allen, *The English Novel*. (3-0; 3-0)

429. (3) **American Literature since 1890.**—A survey, with emphasis given to James, Dreiser, Eliot, O'Neill, Wolfe, Hemingway and Faulkner. Required reading: Dickinson, *Poems*; Dreiser, *An American Tragedy*; Eliot, *The Wasteland and Other Poems*; Faulkner, *The Sound and the Fury*; Hemingway, *A Farewell to Arms*; Howells, *The Rise of Silas Lapham*; James, *The American*; Mark Twain, *The Adventures of Huckleberry Finn*; Whitman, *Leaves of Grass and Selected Prose*. (3-0; 3-0)

430. (3) **The Romantic Period.**—Chiefly Wordsworth, Coleridge, Byron, Shelley, and Keats. (Not offered 1961-62). (3-0; 3-0)

431. (3) **Victorian Poetry.**—Chiefly Tennyson, Browning, and Arnold. A few weeks devoted to later poetry.

Text-books: To be announced. (3-0; 3-0)

433. (3) **Modern Period.**—The course is based primarily on the following: Hardy, Hopkins, Butler, Wilde, Wells, Shaw and Conrad. The background of ideas and social forces, especially as revealed through the literature of the period 1870-1914, will receive close attention. (3-0; 3-0)

Required reading: Butler, *Erewhon and Erewhon Revisited*; Hardy, *Jude the Obscure*; Gerard Manley Hopkins, *Penguin Poetry*; Housman, *Collected Poems*; Shaw, *Major Barbara* and *Three Plays for Puritans*; Synge, *Plays, Poems and Prose*;

Wells, *Tono-Bungay*; Wilde, *Plays, Prose Writings and Poems*; Yeats, *Collected Poems*; Gaunt, *The Aesthetic Adventure*.

434. (3) **Contemporary Literature**.—Outstanding writers of the present generation; literary developments in the essay, poetry, and fiction.

Text-books: *English Masterpieces*, Vol. 7; D. H. Lawrence, *Selected Poetry and Prose*, ed. Barnes; D. H. Lawrence, *Sons and Lovers*, Penguin; Aldous Huxley, *Brave New World*, Penguin; Ernest Hemingway, *The Hemingway Reader*, ed. Charles Poore; William Faulkner, *The Portable Faulkner*, Ed. M. Cowley; James Joyce, *The Portable James Joyce*, ed. H. Levin; William Golding, *The Lord of the Flies*, Capricorn Books. (3-0; 3-0)

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## FINE ARTS

101. (3) **History of the Fine Arts**.—History of music, art and architecture, with emphasis upon the cultural development of mankind through the ages. Appreciation and understanding will be encouraged through illustration and discussion of major works. For credit in the Faculty and College of Education only. (3-0; 3-0)

Text-books: E. H. Gombrich, *The Story of Art*; Homer Ulrich, *Music: A Design For Listening*, 1957.

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## FRENCH

110.(3) **First Year University French**. (Prerequisite: French 20.)—Study of French texts; grammar; pronunciation.

Text-books: Moore and Meiden, *Onze Contes*; Sonet and Shortliffe, *Review of Standard French*. (4-0; 4-0)

120. (3) **French Language and Literature, Part I** (Prerequisite: French 92.)—Study of French texts; grammar; pronunciation.

Text-books: *Contes modernes* (revised edition); Sonet and Shortliffe; *Review of Standard French*; Molière, *Le Bourgeois gentilhomme*. (4-0; 4-0)

210.(3) **Second Year University French**. (Prerequisite: French 110).—A study of the following texts: Vercors, *Le Silence de la Mer*; *Souvenirs de Jeunesse*, *An Anthology*, Ed. C. P. Rouillard; Molière, *Le Bourgeois gentilhomme*; Bottke and Jouaux, *Aspects de la France*, 1960; Sonet and Shortliffe, *Review of Standard French*. Composition based on the above. (4-0; 4-0)

220. (3) **French Language and Literature, Part II**. (Prerequisite: French 120 or First Class standing in French 110.) A study of the following texts: *Intermediate Readings in French Prose*, 1950 edition; Romain, *Knock*; Sartre, *Les Jeux sont faits*; Mauriac, *Thérèse Desqueyroux*; Gide, *La Symphonie Pastorale*; St. Exupéry, *Vol de Nuit*; Vercors, *Le Silence de la Mer*; Racine, *Andromaque*. Reference: Sonet and Shortliffe, *Review of Standard French*. Much time will be devoted to practice in writing paragraphs and short essays. There will be oral practice and tests. (4-0; 4-0)

223. (3) **History of Literature, Speech and Writing**.—History of French Literature, Composition and Conversation. (Preparatory course for Honours students; given in French).

Text-books: Ledésert, *Histoire De La Littérature Française*, Volumes 1 and 2. Other texts to be announced. (3-0; 3-0)

300. (3) **Literature of the Seventeenth Century**.—Corneille, *le Cid*, Horace; Racine, *Andromaque*, *Phèdre*; Molière, *Tartuffe*, *le Misanthrope*; selections from the works of Descartes, Pascal, La Fontaine, etc. (Not offered 1961-62).

Texts: *Seventeenth Century French Prose and Poetry*, Ed. Peyre and Grant; Reference: Sonet and Shortliffe, *Review of Standard French*; other texts to be announced. (3-0; 3-0)

302. (3) **French Practice**.—Composition, syntax, translation.

Text-books: To be announced. (3-2; 3-2)

400. (3) **Literature of the Nineteenth Century**.

Text-books: To be announced. (3-0; 3-0)



## GEOGRAPHY

Geography 101 is one of the elective sciences and is prerequisite to Third and Fourth Year courses.

101. (3) **Introduction to Physical Geography.**—Weather and climate; origin and distribution of landforms with particular reference to North America; map projections.

Text-book: A. N. Strahler, *Physical Geography*, New Edition. (3-2; 3-2)

201. (3) **Human and Economic Geography.**—Deals with man, his occupations and his settlements; distributions of world population, natural resources (agricultural, forestry, fishing, and mining), and problems of world trade. Prerequisite: Geography 101 recommended.

Text-book: *Oxford Economic Atlas of the World*, Shortened Ed., 1959. (3-1; 3-1)

301. (3) **Cartography.**—Historical cartography, map projections, methods of showing relief, aerial photographs, distribution maps, statistical graphs and cartograms, sources of maps, and methods of land utilization survey. Prerequisite: Geography 101 or Geology 200.

Text-book: Robinson, *Elements of Cartography*. (2-2; 2-2)

302. (3) **Weather and Climate.**—Introductory study of the atmospheric elements and their controls; meteorological instruments and practical weather observations; daily weather maps; climatic classification; regional climatology with particular emphasis upon the climate of British Columbia.

Text-book: Trewartha, *An Introduction to Climate*, Third Ed. (2-2; 2-2)

303. (3) **World Geography.**—The major world patterns, followed by a survey of the physical and cultural geography of the continents.

Text-books: Wheeler, Kostbade, Thoman, *Regional Geography of the World*; *World Atlas*, Prentice-Hall. (3-1; 3-1)

304. (3) **The Geography of Settlement.**—The world pattern of settlement: the grouping, functions and structure of rural and urban settlement; geographical characteristics of regional and city planning; map and photo interpretation; field study. Prerequisite: a Second Year geography course. (3-0; 3-0)

409. (3) **Geography of Canada and the United States.**—Regional geography with emphasis on Canada; landforms, climate, natural resources, population, primary industries. (2-0; 3-0)

Text-book: *Canadian Regions*, ed. Putnam.

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## GEOLOGY

Geology 200 or 150 is prerequisite to all other courses in Geology. Students who intend to make Geology their profession are advised to take Geological Engineering or an Honours Course leading to the B.Sc. degree. Preparation for work in Geophysics is provided either by the Geophysics option in Geological Engineering or the combined Honours course in Physics and Geology (page 49).

200. (3) **General Geology.**—Physical and historical geology. Origin and structure of the earth, materials of the earth, diastrophism, erosion, land forms, mineral deposits, history of the earth and the development of life. Prerequisites: Chemistry 101 or 102, or Physics 101, or Zoology 105 or Botany 105, before or concurrently.

Text-book: To be announced. (2-2; 2-2)

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## GERMAN

90. (3) **Beginners' Course.**—Essential grammar, spoken and written drill; elementary readings on German history; selected poetry.

Text-books: Vail and Cunz, *German for Beginners*; Harold Von Holfe, *Im Wandel der Jahre*, revised. (1-0; 4-0)

110. (3) **First Year University German.**—Further study of grammar; readings in German civilization and 20th century fiction; selected poetry. Prerequisite: Ger-

man 20 or German 90 (Senior Matriculation) or Pass standing in German 90 (University course).

Text-books: Goedsche and Seifert, *Deutschland, Land und Sprache*; Goedsche and Seifert, *Deutschland, Leben*; Loram and Phelps, *Aus Unserer Zeit, Dichter Des Zwanzigsten Jahrhunderts*; Bain, *German Poetry for Students*; Röseler, *German in Review*, revised edition. (4-0; 4-0)

120. (3) **First Year University German**.—Further study of grammar with some emphasis on composition. Study of short stories, a play and selected poetry. Prerequisite: German 92 or Second or First Class standing in German 90 (University course).

Text-books: Ryder, *Zehn Jahrzehnte*, Holt, 1959; Bain, *German Poetry for Students*; Russon, *Complete German Course*; Phelps and Stein, *The German Heritage*, Revised, 1958. (3-1; 3-1)

200. (3) **German Literature from 1870 to the Present**.—A survey of German writing and thought, 1870-1950. Composition and critical essays. Oral tests.

Text-books: Feise and Steinhauer, *German Literature Since Goethe*, Part 2; Sutcliffe, *German Translation and Composition*. (3-0; 3-0)

300. (3) **The Classical Period**.—Literature of the 18th Century, with emphasis on the Drama of Lessing, Goethe and Schiller.

Texts: Lessing, *Minna von Barnhelm*; Nathan der Weise; Goethe, *Faust I*; *Iphigenie*; Schiller, *Kabale und Liebe*; *Don Carlos*. Some outside readings will be assigned. (3-0; 3-0)

400. (3) **Nineteenth Century German Drama**.—

Text-books: T. M. Campbell, *Plays of the Nineteenth Century*; additional texts to be announced. (3-0; 3-0)

401. (3) **Twentieth Century German Literature**.—A study of the main trends in the poetry, prose, and drama of this century; discussion of representative works of Hofmannsthal, Wedekind, Mann, Hesse, Kaiser, Kafka, Werfel, Wiechert, Jünger, Bergengruen, and others.

Text-books: *Ergriffenes Dasein* (Holthusen and Kemp); E. W. Trahan, *Die stillste Stunde*. (3-0; 3-0)

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## GREEK

Greek 200 is open to students who have passed in Greek 100 or its equivalent; Greek 202 is open to those who have passed in Greek 200 or its equivalent.

100. (3) **Beginners' Greek**.—The elements of Attic Greek.

Text-book: To be announced. (4-0; 4-0)

200. (3) **Introduction to Greek Prose Authors**.

Text-books: W. G. Rutherford, *First Greek Grammar*; Lattimore, *Iliad of Homer*; Graves, *Plato, Euthyphro and Menexenus*. (4-0; 4-0)

202. (3) **Greek Literature of the Classical Period**.—Plato's *Introduction to the Republic*; a play of Aeschylus; practice in composition; brief survey of Greek literary history.

Text-book: C. M. Bowra, *Ancient Greek Literature*. Texts: Plato, *Republic, Book I*, D. J. Allen; Aeschylus, G. Murray. (3-0; 3-0)

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## HISTORY

101. (3) **Main Currents in Twentieth-Century History**.—This course offers a background for contemporary world problems. Essays will be assigned throughout the Session. (Extra work will be required from Third and Fourth Year students taking this course.)

Text-book: Chambers, Harris and Bayley, *This Age of Conflict*. (3-1; 3-1)

102 (3) **The History of Canada.**—Introductory general course. History 102 is recommended as a prerequisite for History 404, 420, 426. Essays will be assigned throughout the Session. (Extra work will be required from Third and Fourth Year students taking this course.)

Text-books: McInnis, *Canada, A Social and Political History*, Revised, 1960; Kerr, *A Historical Atlas of Canada*, 1961. (3-0; 3-0)

200. (3) **History of Modern Europe.**—This course describes the development of the main political and social events in modern European history, and is prerequisite to History Honours and a European History major. Essays will be assigned throughout the Session. First Year students may, with special permission, be admitted to this course. (Extra work will be required from Third and Fourth Year students).

Text-book: Palmer, *History of the Modern World*. (3-0; 3-0)

201. (3) **British History.**—A survey of British history from the late Anglo-Saxon period to modern times with emphasis on political and constitutional development. Essays will be assigned throughout the Session. First Year students may, with special permission, be admitted to this course.

Text-book: Whitelock, Stenton, Myers, Bindoff, Ashley, Plumb, Thomson, *The Pelican History of England*, Volumes 2 to 8 inclusive. (3-0; 3-0)

303. (3) **History of British Columbia.**—The history of B.C. with special reference to the history of Canada and of the North West Pacific coast. Essays will be assigned throughout the Session.

Text-book: M. A. Ormsby, *A History of British Columbia*. (3-0; 3-0)

304. (3) **Mediaeval Europe, 500-1300.**—A general outline of mediaeval history from the fall of the Roman Empire to the 13th century. Essays will be assigned throughout the Session. Second Year students may, with special permission, be admitted to this course.

Text-book: Strayer and Munro, *The Middle Ages*. (3-0; 3-0)

313. (3) **The Rise of Modern Europe, 1300-1648.**—A survey of the economic, political and cultural development of Europe from the later Middle Ages to the Peace of Westphalia. Essays will be assigned throughout the Session.

Text-book: H. Lucas, *Renaissance and Reformation*. (3-0; 3-0)

318. (3) **England Under the Tudors and Stuarts, 1485-1688.** (Not offered 1961-62). (3-0; 3-0)

333. (3) **Third Year Honours Seminar.**—Historical method and the use of reference books.

Text-book: W. H. Walsh, *Philosophy of History: An Introduction*. (2-0; 2-0)

400. (3) **Intellectual History of Modern Europe.**—From the Sixteenth Century to recent times. (Not offered 1961-62).

Text-book: Franklin Le Van Baumer, *Main Currents of Western Thought*. (3-0; 3-0)

419. (3) **Great Britain Since 1688.**—

Text-books: To be announced. (3-0; 3-0)

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## LATIN

90. (3) **Beginners' Latin.**—For students with no previous knowledge of Latin; for credit only to students who have not offered Latin at High School Graduation.

Text-book: DeWitt, Gummere and Horn, *College Latin*. (4-0; 4-0)

110. (3) **First Year University Latin.**—Prerequisite: Latin 20 or Latin 90.

Text-books: L. A. Wilding, *Latin Course for Schools, Part II*; Grose-Hodge, *Roman Panorama*; Robinson and Hunter, *Roma*. (4-0; 4-0)

120. (3) **Introduction to Latin Literature.**—Prerequisite: Latin 92. Reading of an anthology of Latin prose and poetry; practice in prose composition.

Text-books: L. A. Wilding, *Latin Course for Schools, Part III*; North and Hillard, *Latin Prose Composition for Schools*; Allen and Greenough, *New Latin Grammar*; Hadas, *A History of Rome*; Lewis, *An Elementary Latin Dictionary*. (3-0; 3-0)



210. (3) **Introduction to Latin Literature.**—Prerequisite: Latin 110. Reading of an anthology of Latin prose and poetry; practice in prose composition.

Text-books: L. A. Wilding, *Latin Course for Schools, Part III*; North and Hillard, *Latin Prose Composition for Schools*; Allen and Greenough, *New Latin Grammar*; Hadas, *A History of Rome*; Lewis, *An Elementary Latin Dictionary*. (4-0; 4-0)

220. (3) **Prose and Poetry of the Golden Age.**—Prerequisite: Latin 120 or a First Class in Latin 110. Prose of Cicero; Horace's adaptations of the Greek Lyric; the developed Epic as represented by Vergil; history of Greece.

Text-books: Lewis, *An Elementary Latin Dictionary*; Allen and Greenough, *New Latin Grammar*; Cicero, *Catilinarian Orations*, ed. Upcott; Vergil, *Aeneid VI*, Ed. Fletcher; Horace, *Odes and Epodes*, Ed. Page. (3-0; 3-0)

304. (3) **Prose and Poetry of the Silver Age.**—Tacitus and Juvenal; history of Latin literature.

Text-books: Tacitus, *Annals*, Ed. Furneaux and Pitman; Juvenal, *Satires*, Ed. Duff. (3-0; 3-0)

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## MATHEMATICS

Mathematics 91 or its equivalent is prerequisite to, and may not be taken concurrently with, Mathematics 101 or 120. Credit will be given for only one of Mathematics 101, 120.

101. (3) **Fundamental Mathematics.**—Logic, sets, algebra, geometry, trigonometry introduction to probability and statistics, introduction to calculus. This course is recommended for students in Commerce, the humanities and the social sciences. (Not offered 1961-62).

Text-book: *Introductory Probability and Statistical Inference*. (4-0; 4-0)

120. (3) **Fundamental Mathematics.**—Algebra, geometry, trigonometry, introduction to calculus.

Text: Vance, *Fundamentals of Mathematics*. (4-0; 4-0)

201. (3) **The Mathematical Theory of Investments.**—Theory of interest, annuities, debentures, valuation of bonds, sinking funds, depreciation, probability and its application to life insurance. Primarily for students in Commerce. Prerequisite Mathematics 100, 101 or 120, and Commerce 151 (which may be taken concurrently) or the consent of the Department. (3-0; 3-0)

Text: Simpson, Pirenian, Crenshaw, *Mathematics of Finance*, Third Ed.

202. (3) **Calculus.**—Introduction to differential and integral calculus, with applications. Prerequisite: Mathematics 101 or 120.

Text-book: Sherwood and Taylor, *Calculus*, Third Ed. (3-0; 3-0)

203. (3) **Elementary Mathematics for Teachers.**—For credit only in the Faculty and College of Education.

Text-books: Grossnickle and Brueckner, *Discovering Meanings in Arithmetic*, 1959; *Junior High School Math. Units, Volume I, Revised*; *Junior High School Math. Units, Volume I, Commentary for Teachers, Revised*. (3-0; 3-0)

205. (3) **Elementary Statistics.**—Descriptive statistics, introduction to probability and sampling, correlation, index numbers, time series, simple analysis of variance. Prerequisite: Mathematics 101 or 120.

Text-book: Freund and Williams, *Modern Business Statistics*. (3-2; 3-2)

At least Second Class standing in Mathematics 101 or 120 is prerequisite to Mathematics 220 and 221; the two courses (220 and 221) must be taken concurrently. Students who do not have full First Year standing must obtain the consent of the Department.

220. (3) **Differential and Integral Calculus.**

Text-book: Sherwood and Taylor, *Calculus*, Third Ed. (3-0; 3-0)

221. (3) **Algebra and Geometry.**

Text-book: To be announced. (3-0; 3-0)

300. (3) **Calculus II.**—Differential and integral calculus with applications. Prerequisite: Mathematics 202 or 220.

Text-book: To be announced. (3-0; 3-0)

306. (3) **Topics in Geometry.**—A study of various geometries with some attention to the foundations of the subject. Prerequisites: Mathematics 202 or 220.

Text-books: Meserve, *Fundamental Concepts of Geometry*; Hilbert, *Foundations of Geometry*. (3-0; 3-0)

308. (3) **Topics in Algebra.**—Foundations of arithmetic and algebra. Prerequisite: Mathematics 202 or 220. (Not offered 1961-62). (3-0; 3-0)

310. (3) **Algebra and Geometry.**—Mathematical induction, complex numbers, polynomials, matrices, determinants, conics and solid analytic geometry. Prerequisite: Mathematics 202 (which may be taken concurrently) or 220. (Credit will not be given for both Mathematics 221 and 310. Mathematics 310 is open to Second Year students with the consent of the Department.)

Text-book: To be announced. (3-0; 3-0)

320. (2) **Elementary Real Variable Theory.**—Point sets, continuity, Stieltjes integrals, series of functions, implicit function theorems. Problem sets will be assigned periodically throughout the year and marks obtained will be considered in determining final standing.

Text-book: To be announced. (2-1; 2-1)

410. (3) **Differential Equations.**—An introductory course with applications to geometry, mechanics, physics, and chemistry. Prerequisite: Mathematics 300.

Text-book: Kells, *Elementary Differential Equations*, Fifth ed. (3-0; 3-0)

412. (3) **Fundamentals of Analysis.**—Set theory, functions, limits, differentiation and integration, series, probability and statistics. Prerequisite: Mathematics 306 or 308. (Not offered 1961-62).

Text-books: G. H. Hardy, *A Course of Pure Mathematics*; E. V. Huntington, *The Continuum and Other Types of Serial Order*. (3-0; 3-0)

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## PHILOSOPHY

100. (3) **Introduction to Philosophy.**—A systematic presentation of the problems of philosophy from the early Greeks to the present day.

Text-books: Plato, *Republic*, trans. H. D. P. Lee; Aristotle, *Introduction to Aristotle*, Ed. McKeon; Descartes, *Discourse on Method and Meditations*, trans. Lafleur; Berkeley, *Three Dialogues*; Ryle, *Dilemmas*; Webb, *History of Philosophy*. (3-0; 3-0)

202. (3) **Logic and Scientific Reasoning.**—Introductory deductive logic; the grounds of empirical knowledge; scientific procedures and attitudes; practice in criticising arguments.

Text-books: Copi, *Introduction to Logic*, Second Ed.; Strawson, *Introduction to Logical Theory*. (3-0; 3-0)

210. (3) **Ancient Philosophy.**—Western Philosophic thought from Thales to St. Augustine, with principal stress on Plato and Aristotle. Prerequisite: Philosophy 100 or equivalent.

Text-books: Cornford, *Plato's Theory of Knowledge*; Aristotle, *Introduction to Aristotle*, Ed. McKeon. (3-0; 3-0)

302. (3) **Ethics.**—A study of problems in ethics based on the reading of classic texts.

Text-book: To be announced. (3-0; 3-0)

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## PHYSICS

Note 1: Students who plan to take only one course in Physics, either to meet the calendar requirements for a science or to acquire some knowledge of the modern physical world, are advised to take Physics 103. All who propose to take an Honours Course in science, or any professional course, must take Physics 101.

**Note 2:** Physics 200, 300 and 400 are primarily intended for General Course students. If credit has been obtained for any of these courses additional credit will not be given for the bracketed parallel courses intended for Honours students: 200 (204, 206), 300 (301), 400 (307).

**101. (3) Elementary Physics.**—Prerequisite: Mathematics 101 or 120 must precede or be taken concurrently with this course. Students who have not obtained credit for Physics 91 in the schools must take an additional 2 hours per week of tutorial work.

Text-book: Smith and Cooper, *The Elements of Physics*, Sixth Ed. (3-2; 3-2)

**103. (3) A Survey of Physics.**—From Newton's mechanics to nuclear physics, a description of ideas, principles and their applications. Students who have received credit for Physics 101 may not take this course. It is intended for students who wish to acquire some knowledge of a physical science as part of their cultural background.

Text-book: White, *Descriptive College Physics*. (3-2; 3-2)

**200. (3) Intermediate Physics.**—Statics, dynamics, properties of matter, sound, heat and kinetic theory of gases, photo-electricity and the Bohr atom. Prerequisites: Physics 101, Mathematics 202 or 220 (may be taken concurrently).

Text-book: Sears, *Mechanics, Heat and Sound*. (3-3; 3-3)

**204. (3) Heat and Electricity.**—Heat, gas laws, elements of thermo-dynamics, kinetic theory. Elements of electricity: charge, current, voltage, resistance, capacitance, inductance, Kirchhoff's laws, potentiometer, simple A.C. circuits, motion of a charge in a uniform magnetic field. Prerequisites: Physics 101, Mathematics 202 or 220 (may be taken concurrently).

Text-book: To be announced. (3-3; 3-3)

**206. (3) Mechanics.**—Vectors, statics, dynamics, energy, momentum, rotation, rigid body motion, gravitation, harmonic motion, oscillation, properties of fluid, elasticity and wave motion. Prerequisites: Physics 101, Mathematics 202 or 220 (may be taken concurrently).

Text-book: To be announced. (3-0; 3-0)

**300. (3) Electricity and Magnetism.**—Fundamentals of magnetism and electricity, including basic A.C. circuit theory and electronics. Prerequisites: Physics 200, Mathematics 202 or 220.

Text-book: Winch, *Electricity and Magnetism*. (3-3; 3-3)

**308. (3) Physical Optics.**—Geometrical and physical optics; optical instruments, interference, diffraction, polarization, spectroscopy. (2-3; 2-3)

**400. (3) Atomic and Nuclear Physics.**—The major phenomena in the fields of atomic and nuclear physics. Prerequisite: Physics 300 or 303.

Text-book: To be announced. (3-0; 3-0)

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## POLITICAL SCIENCE

**200. (3) Government of Canada.**—A basic introductory course to acquaint the student with the institutions of government in Canada, the manner in which they function and interact, and the political processes which surround and influence them. Two essays. Prerequisite: First Year standing.

Text-book: Dawson, *The Government of Canada*. (3-0; 3-0)

**300. (3) History of Political Thought.**—Evolution of political ideas and various basic concepts of government such as the theory of the state, natural law, divine right of kings, social contract, sovereignty, political obligation and consent. Readings include selections from classics in the field from Plato to Marx.

Text-book: Sabine, *History of Political Theory*. (3-0; 3-0)

**301. (3) European Governments.**—A survey of the governments and politics of some of the following countries: France, Germany, Italy, the Netherlands, Belgium, Switzerland, the Scandinavian countries, the "People's Democracies" of Eastern Europe, the U.S.S.R.

Text-book: Neumann, *European and Comparative Government*, Third Ed., 1960. (3-0; 3-0)



401.(3) **Federalism.**—An intensive study of Dominion-Provincial relations in Canada, in their constitutional, economic and political aspects. Comparisons will be made with the federal systems of other countries such as the United States, Australia, South Africa and Switzerland. Readings to be assigned.

Text-book: To be announced.

(3-0; 3-0)

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## PSYCHOLOGY

Psychology 100 and 200 or 206 are prerequisite to all Third and Fourth Year courses.

100. (3) **Introductory Psychology.**—A scientific and practical study of the basic forms of human behaviour including the motivational, sensory, mental, social, modifiable, emotional, adjustive, individual, personal and transitional nature of human activity.

Text-book: B. R. Bugelski, *An Introduction to the Principles of Psychology*.  
(3-0; 3-0)

200. (3) **Experimental Psychology.**—Introductory statistical techniques; research methods illustrated by individual and group laboratory studies. Prerequisite: Mathematics 101 or equivalent and Psychology 100.

Text-book: To be announced.

(2-2; 2-2)

206. (3) **Dynamics of Behaviour** (formerly Psychology 202).—An experimental, dynamic and social approach to behaviour adjustment with special reference to applications. Prerequisite: Psychology 100.

Text-book: To be announced.

(3-0; 3-0)

301. (3) **Developmental Psychology.**—Psychological development, pre-natal through adolescence; determiners of psychological growth; motor, emotional, social, intellectual, language and personality development. Implications for the guidance of psychological development.

Text-book: Mussen and Conger, *Child Development and Personality*, 1956.

(3-0; 3-0)

305. (3) **Personality Theory.**—Approaches to personality theory, principal theoretical problems, theories of personality as represented by psychological systems.

Text-book: Hall and Lindzey, *Theories of Personality*, 1957.

(3-0; 3-0)

308. (3) **Social Psychology.**—Personality development, motivation, beliefs and attitudes, language, institutional behavior, leadership, propaganda, freedom and control, major social problems. Credit not allowed for both 201 and 308. (Not offered 1961-62).

(3-0; 3-0)

Note: Admission to the following courses is by permission of the instructor.

400. (3) **Abnormal Psychology.**—Understanding human nature by a study of abnormal behaviour and mental processes; field trips and case studies. Prerequisite: Psychology 201 or 202.

Text-book: Coleman, *Abnormal Psychology and Modern Life*, Second Ed.

(3-0; 3-0)

401. (3) **Clinical Psychology.**—Basic principles of the clinical applications of psychology. Analysis of the clinical process; survey of the clinical psychologist's role, functions, and techniques in mental health services. Prerequisite: Psychology 201 or 202 and 305. (Not given 1961-62.)

(3-0; 3-0)

403. (3) **Tests and Measurements.**—The principles underlying the construction of psychological tests; a critical evaluation of intelligence, aptitude, achievement, attitude, interest and personality tests. Knowledge of elementary statistics is desirable.

Text-books: Cronbach, *Essentials of Psychological Testing*, Second Ed., 1960; Guilford, *Psychometric Methods*.

(3-0; 3-0)

410. (3) **Research Methodology.**—Use of statistical techniques utilized in summarizing and drawing conclusions from psychological research, with special attention given to the relation of statistics to the design of experiments. Prerequisite: Psychology 201 or 202 and 3 units of a Third or Fourth Year course.

(2-3; 2-3)

Text-books: Guilford, *Fundamental Statistics in Psychology and Education*; Underwood, *Psychological Research*; Siegel, *Nonparametric Statistics for the Behavioral Sciences*, 1956.

449. (3) **Honours Essay.**

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## RUSSIAN

100.(3) **Basic Russian.**—First introductory course in the Russian language.

Text-book: Gronicka, *Essentials of Russian*. (3-0; 3-0)

200. (3) **Russian.**—Second course in the Russian language.

Text-books: Gronicka, *Essentials of Russian*; *Russian Reader*, Book 2, Blackwell. (3-0; 3-0)

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## SOCIOLOGY

Sociology 200 is a prerequisite for all other courses, unless otherwise indicated.

200. (3) **Introduction to Sociology.**—A general introduction to the sociological analysis of selected topics (such as values, work, stratification, kinship and socialization, particular social roles and the problem of national character) which together would constitute a broad description of a large scale society. (3-0; 3-0)

Text-book: Kingsley Davis, *Human Society*.

310. (3) **Small Groups.**—Analysis and discussion of field studies and laboratory experiments on small groups in various settings. The contribution of this research to the development of theory. (3-0; 3-0)

315. (3) **Social Stratification.**—The various dimensions of class in modern society, such as class consciousness, status groups, power, social mobility. The consequences of these. (Not offered 1961-62.) (3-0; 3-0)

320. (3) **The Sociology of Work.**—Attitudes to work, similarities and differences between occupations; the nature of professions; the contrasts between jobs and careers. (3-0; 3-0)

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## SPANISH

90. (3) **Beginners' Spanish.**—Grammar, composition, translation, oral work.

Texts: Cabrillo, Starnes, Hefler, *Spanish; A First Course*; Cabrillo, Starnes, Hefler, *Workbook for Spanish; A First Course*; Evans, *An Elementary Spanish Reader, with Conversation and Composition*. (4-0; 4-0)

110. (3) **First Year University Spanish.**—(Prerequisite: Spanish 20 or pass standing in Spanish 90.)—Review of grammar; translation, composition, oral work.

Texts: Walsh, *Repaso; Lectura, Gramatica, Conversacion*; Garcia Lorca, *Cuentos de Clarin*; Ugarte ed., *Dos Comedias de Azorin*; Ugarte, *Espana y su Civilizacion*; Arjona, *Siglo de Aventuras*. (4-0; 4-0)

120. (3) **First Year University Spanish.**—(Prerequisite: Spanish 92 or Second Class or better in Spanish 90.)—Review of grammar; translation, composition, oral work.

Texts: As in Spanish 110. (4-0; 4-0)

201. (3) **Second Year University Spanish.**—Study of modern authors and of *Don Quijote*, composition and assigned themes in Spanish, conversation.

Texts: Foster, *Spanish Composition*; Kasten and Neale-Silva, *Lecturas Amenas*; Cervantes, *El Ingenioso Hidalgo Don Quijote de la Mancha*. (4-0; 4-0)

## ZOOLOGY

105. (3) **General Zoology.**—An introduction to animal biology; structure, function, evolution and classification of animals. This course is prerequisite to all other courses in Zoology unless specifically excepted, and to most courses in Biology.

Text-book: Storer and Usinger, **General Zoology**, Third Edition. (3-3; 3-3)

202. (3) **Vertebrate Zoology.**—Comparative anatomy; evolution and phylogeny of the vertebrates; dissection of representative forms.

Texts: Romer, **The Vertebrate Body**, Second Edition; Weichert, **Representative Chordates**, Second Edition. (2-3; 2-3)

301. (3) **Invertebrate Zoology.**—Morphology; taxonomy; life histories of invertebrates with special reference to marine forms. Prerequisite: Zoology 202.

Text-book: To be announced. (2-3; 2-3)

302. (3) **Microanatomy.**—Morphological and physico-chemical organization of the cell, description of the fundamental tissues; introductory embryology with an emphasis on causal principles of development.

Text-books: Maximow and Bloom, **A Text-book of Histology**; De Robertis, Nowinski, Saez, **General Cytology**, New Ed.; B. M. Patten, **Foundations of Embryology**. (2-3; 2-3)

303. (3) **Vertebrate Physiology.**—Introductory organ physiology. (Zoology majors and Honours students may substitute Biology 400 for this course but will not receive credit for both.). Prerequisite: First Year Chemistry. (2-2; 2-2)

Text-books: Best and Taylor, **The Living Body**, Fourth Ed.; Zoethout, **Laboratory Experiments in Physiology**, 1954.

400. (3) **Principles and History of Biology.**—Lectures and seminar on the principles of biology, history and recent advances. (2-0; 2-0)

Text-book: Nordenskiöld, **History of Biology**.

### Special Group:

416. (3) **Biology of the Vertebrates.**—The vertebrates, chiefly of British Columbia; identification of species; observational methods of study of behaviour and habitat relations; systematics, biology, distribution, and speciation; methods of preservation for museum study.

Text-book: To be announced. (2-3; 2-3)



# FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

## COURSES LEADING TO THE DEGREE OF

### B. Com. (Commerce)

(Five-year course, two years of which may be taken at Victoria College).

A student who completes the course of studies in any of the following options will receive the degree of Bachelor of Commerce (B.Com.).

- |  |  |
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| 1. Accounting.                         | 8. Commerce and Science.                     |
| 2. Marketing.                          | 9. Commerce and Actuarial Science.           |
| 3. Industrial Administration.          | 10. Commerce and Teaching.                   |
| 4. Finance.                            | 11. Commerce and Forestry.                   |
| 5. Transportation and Utilities.       | 12. Commerce and Law (for combined degrees). |
| 6. Commerce and Economics.             | 13. Industrial Relations.                    |
| 7. Commerce and Public Administration. | 14. Estate Management.                       |

For admission to the Faculty of Commerce and Business Administration, students must have completed 15 units in First Year Arts and Science or its equivalent. (See Pre-Commerce requirements page 70.).

### Regulations Regarding Commerce Courses

(1) 18 units constitute a full course in each of the four years of the B. Com. programme.

(2) Without the special permission of the Principal no student may take more or fewer than 18 units in each winter session.

(3) Not later than the end of the First Year in Commerce, students are expected to choose their field of concentration and thereafter follow the prescribed course of studies.

### Examinations

Examinations are held in December and in April. December examinations are held in all subjects of the First Year, and are obligatory for all students.

### Standing and Credit

(1) Candidates, in order to pass, must obtain at least 50 per cent. in each subject; in a course which comprises both lecture and laboratory work they will be required to pass in both the written examinations and laboratory work before standing in the course is granted. The grades are as follows: First Class, an average of 80 per cent. or over; Second Class, 65 to 79 per cent.; Passed, 50 to 64 per cent.

### Supplementals

(1) If a student's general standing in the final examination of any year is sufficiently high, the Faculty may grant him supplemental examinations in a maximum of 3 units. Notice will be sent to all students to whom supplementals have been granted.

(2) Students who have failed in more than 6 units of a required year's work will be considered to have failed in the work of the year, and will not receive credit for any of the courses passed in that year.

(3) Supplemental examinations, covering the work of both the first and second terms, will be held in August or September in respect of winter session examinations, and in July in respect of summer school examinations.

### Re-Readings

See page 18.

### Unsatisfactory Standing

(1) A student who twice fails, as defined in the section on "Supplementals," paragraph 2, may, upon the recommendation of the Faculty, be required by College Council to withdraw from the Faculty of Commerce and Business Administration.

(2) Any student whose academic record, as determined by the tests and examinations of the first term, is found to be unsatisfactory may, upon the recommendation of the Faculty, be required by the College Council to discontinue attendance at the College for the remainder of the session.

## OPTION REQUIREMENTS

### Pre-Commerce

Students who have completed First Year Arts and Science or its equivalent with standing in 15 units, including English 100 (Literature and Composition) and Mathematics 101 or 120, will be admitted to any option other than 8 or 11. Students who contemplate admission to options 8 or 11 must have obtained standing in two First Year sciences, English 100, Mathematics 101 or 120 and one elective.

### FIRST YEAR COMMERCE

#### Option No.

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1 to 14	Com. 151; Com. 190 (or substitute); Eng. 200; Econ. 200.
1, 3*, 4, 14	Math. 201; 3 units of electives.
2, 5, 6, 7, 12, 14	6 units of electives.
8**	3 units of Science; 3 units of electives.
9	Math. 202, 3 units of electives; or Math. 220 and 221.
10***	Com. 90, 101; Educ. 200, Educ. 298.
11	Bot. 105; 3 units of electives.
13	Psych. 100; 3 units of electives.
1 to 14	Electives may be selected from: Math. 200 level course; Geog. 201; Econ. 201; Psych. 100 or 206. Hist. 101 or 102; Phil. 100; Pol. Sc. 200; Language; Science; Anthropology; Sociology.

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\* Students in Option 3 who have at least second class standing in Mathematics 101 or 120 and are interested in Operations Research, may elect Mathematics 220 and 221 in 1st Year; with at least second class standing in these courses they may, in 2nd Year, elect Math. 320 and substitute Math. 321 for Statistics (Econ. 304 or Math. 205).

\*\* Math. 205 should be chosen by those who propose to take Biology, Botany, or Zoology as a major. Math. 202 should be elected by students who propose to take Chemistry or Physics as a major.

\*\*\* Students should seek advice at registration as to the sequence of courses in the electives taken.

# THE FACULTY AND COLLEGE OF EDUCATION

The Faculty and College of Education offers programmes leading to an undergraduate degree in Education, granted by the University, and to teaching certificates, awarded by the Department of Education of the Province of British Columbia, in the fields of elementary and secondary teacher education. The degree granted is Bachelor of Education (B.Ed.).

Graduate programmes leading to a Master's degree are also offered in the Faculty of Graduate Studies.

## UNDERGRADUATE CERTIFICATE AND DEGREE PROGRAMMES

### A. In the Elementary Teaching Field:

(1) A four-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the elementary teaching field and meeting the course requirements for the P.C. Teaching Certificate. Successful completion of the first two years of this programme fulfills requirements for the interim E.B. Teaching Certificate.

(2) A one-year professional programme for students with Grade XIII (Senior Matriculation) or one or more years' credit in another faculty. Successful completion of this professional year fulfills requirements for the interim E.B. Certificate (two years approved credit) or the interim E.A. Certificate (three years approved credit).

Applicants may be admitted as **conditioned students** to this programme in Second Year if they have a minimum of 9 units of Senior Matriculation or First Year University credit. First Year deficiencies would normally be resolved in summer session following this programme.

(3) A one-year teacher-training programme for graduates of a Faculty other than Education who are interested in elementary or junior high school teaching.

### B. In the Secondary Teaching Field:

(1) A five-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the secondary teaching field and meeting the course requirements for the P.B. Teaching Certificate.

(2) Programmes enabling elementary teachers with the first two years of credit toward the degree of B.Ed. in the elementary field to complete, by winter or summer sessions, the remaining three years of training leading to the Professional Basic Teaching Certificate and the degree of B.Ed. in the secondary field.

(3) A one-year teacher-training programme enabling graduates with an acceptable bachelor's degree from a faculty other than Education, to meet the requirements for the Interim P.B. Teaching Certificate.

(4) A programme enabling those who have completed programme (3) above or its equivalent to proceed to the B.Ed. degree for graduates.

### Teaching Certificates

Since sole authority to issue teaching certificates rests with the Provincial Department of Education, Victoria, B.C., a degree or diploma from the University is not a licence to teach. The standing of candidates who successfully complete any of the above programmes will be reported by the University or the College to the Department of Education.

## ADMISSION REQUIREMENTS

Applicants for admission to the Faculty and College of Education programmes must meet the general requirements on pages 14 and 15. The College reserves the right, however, to reject applicants for admission to the Faculty and College on the grounds of physical or health disabilities, or for other reasons, including unsatisfactory



academic record. Special additional requirements for admission to the one-year post-graduate course are listed below:

**For the One-Year Programme for Graduates, B (3) above:**

(a) Candidates will be admitted who:

Hold a degree from a recognized university with completed majors (9 units of work in each in the Third and Fourth Years), or the equivalent thereof, in two of the following subjects: Art, Biological Sciences (Biology, Botany, Zoology), Chemistry, English, French, Geography, German, History or International Studies, Latin, Library, Mathematics, Music, Physics, Russian, Spanish, Theatre, and have obtained an average of 65% in those courses of the two senior years which go to make up each of these majors.

or

Have completed an Honours or a Master's degree in one of the above.

or

Hold one of the following degrees: B.H.E., B.Mus., B.P.E., with at least second class standing.

(b) Candidates with averages in the range 60% - 65% but who do not meet the above requirements, as well as those holding other degrees such as B.A.Sc., B.Com., B.S.A., B.S.F., B.S.P., LL.B., and who wish to be considered for admission should apply in writing to the Registrar requesting that their cases be reviewed by the Committee on Admissions, Standings and Courses. Applications of this type must be received by the Registrar prior to September 1st.

**Admission with Advanced Standing**

(a) Students with full Senior Matriculation or First Year Arts and Science will be admitted to the Second Year of either programme leading to a degree in Education.

(b) Students from other universities and from other countries are referred to pages 15 and 16.

(c) Students who are completing work for a degree in another faculty may transfer to the Faculty and College of Education. Credit will be given for those courses, already completed, which meet the requirements of the programme in Education selected. Consideration in granting credit will also be given for other courses for which credit has already been granted by another Faculty.

(d) Students transferring from the degree programme in the elementary field to the degree programme in the secondary field, or from one major to another within a programme, will be given credit for such courses already completed which meet the requirements of the newly selected programme.

(e) A student who has completed courses at another university may submit to the Registrar a transcript of his record to be evaluated toward the requirements for a degree in Education at the University of British Columbia. Once registered in the Faculty and College, however, the candidate may expect credit for courses subsequently taken elsewhere only when prior permission has been obtained from the Director of Elementary or Secondary Education. In every case, candidates must complete the Final Year of the degree course concerned in the University of British Columbia or Victoria College.

**Inquiries Regarding Admission**

Students who plan to enroll in the Faculty and College of Education for the first time, and who are unable, prior to registration, to come to the College for an interview, should write to the Registrar, Victoria College, Victoria, B.C. Needless delay will be avoided if the letter contains the following information:

(a) name in full;

(b) official transcripts of high school and university records;

(c) a "transfer of credits" statement from the Registrar, Department of Education, Victoria, B.C., if applicant holds a B.C. Teacher's Certificate;

(d) statement as to the particular course or programme in Education desired, and, where this involves the secondary programme or the upper years of the elementary programme for the B.Ed. degree, a statement of the subject or subjects preferred for majors or for honours.

### Registration

Registration of qualified students in the Faculty and College of Education is governed by the general regulations on pages 15-16, except that no student will normally be allowed to register or transfer after the first day of instruction.

### Fees and Expenses

Fees paid by students in the Faculty and College of Education are comparable to those in other faculties of the University. The tuition and student fees are \$346 in each year of the course.

For expenses of board and room see page 14.

Students should allow from \$50 to \$100 for books and equipment and a similar amount to cover the cost of travel to schools for practice-teaching throughout the regular winter session. Students taking Education 197 and 297 are reminded that their year is not completed until the middle of May and that they must allow for travel and living expenses for the three-week post sessional period in parts of the province other than the Greater Victoria area.

### Financial Assistance

For information about scholarships, bursaries and loans available to those proposing to attend Victoria College, see inside front cover of Calendar and pages 21 to 39.

Victoria College also has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, at the rate of \$1.00 per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

### Examinations and Advancement

#### Examinations

1. Examinations in the winter session are held in December and April. In December they are held in all First and Second Year courses and in upper year courses at the discretion of the Director. In April they are held in all courses except those final at Christmas. These examinations are obligatory for all students.

2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period.

3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive credit for the course. If the course is repeated no exemption will be granted from the work in either part.

4. In any course which involves term assignments, students may be debarred from writing the final examination if the required term work has not been completed to the satisfaction of the department concerned.

### Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 79%; Passed, 50 to 64%.

2. (a) A student taking 9 or more units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in courses totalling at least 9 units, including the course in question.

- (b) A student taking fewer than 9 units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in all his courses.
- (c) A student in the summer session or in extra-session or correspondence courses will receive credit for each course in which he obtains 50%.

3. Courses for which credit has not been obtained must be repeated or permissible substitutes taken, in the next regular session attended. In the winter session the total of all courses taken may not exceed 18 units.

4. Essays and examinations will be refused a passing mark if they are deficient in English; and in this event students will be required to pass a special examination in English.

### Supplementals

1. In the winter session a student will be granted the privilege of writing a supplemental in not more than 3 units of courses taken during that session provided that:

- (a) he has obtained during that session at least 9 units of credit.
- (b) he has written the final examination in the subject concerned and has obtained a final grade of at least 40%.

2. In the summer session, a candidate will be granted a supplemental in a subject which he has taken during that session provided (i) he has written the final examination and has obtained a final mark of not less than 40% and (ii) he has obtained 3 units of credit in that session.

3. In an extra-session or correspondence course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 40%.

4. The Faculty may, at its discretion, grant supplemental privileges in a further 3 units to a student whose course work during a full winter session is in excess of 15 units.

5. Because of the nature of the course, supplemental examinations are not provided in Practice Teaching but, at the discretion of the Faculty, arrangements may be made in certain cases for a further trial period of practice teaching.

6. In all but the Final Year a candidate who has been granted a supplemental may write it once only. If he fails, he must repeat the course or take a permissible substitute. In the Final Year he may write it twice (subject to the limitation in Section 3 under "Standing and Credit").

7. Supplemental examinations, covering the work of both the first and second terms, will be held during August in respect of winter session examinations. Supplemental examinations for summer session students will be held on the second day of the summer session at the College, or by special arrangement, at the University. Supplemental examination privileges will not be granted to students who fail the laboratory work of science or industrial arts courses.

8. If a student, because of exceptional circumstances, is permitted to postpone a supplemental beyond the first regular supplemental examination period, he will be responsible for the content of the course as currently offered. If the course is discontinued, the supplemental privilege may be cancelled.

### Re-Readings

The regulations of the Faculty of Arts and Science respecting re-readings and unsatisfactory standing apply in the Faculty and College of Education (see page 18).

### Special Regulations

Special regulations governing graduation in the Five-Year Bachelor of Education degree programme:

To be eligible for the Bachelor of Education degree which fulfills requirements for a P.B. Certificate, the candidate must normally have earned:

- (1) a mark of at least 50% in each of the courses comprising the degree programme;



(2) an average of not less than 60% in the senior courses of each of the majors which constitute the candidate's programme.

### Programmes at Victoria College

The following may be taken at Victoria College:

(1) The four-year programme leading to the B.Ed. in the elementary teaching field.

(2) The one-year programme for students with Grade XIII (Senior Matriculation) or one or more years' credit in another faculty.

(3) The one-year teacher-training programme for graduates of a faculty other than Education who are interested in elementary or junior high school teaching.

(4) The first four years of the Five-Year Bachelor of Education degree programme (for a limited number of majors).

(5) The programmes for graduates with the Bachelor of Education (Elementary).

## PROGRAMMES OF STUDY FOR THE EDUCATION AND TRAINING OF TEACHERS

### Practice Teaching Laboratory and Seminar Requirements

All students in Education, except those in the First and Third Years of the Secondary Programme, will be assigned to one hour weekly seminar under the direction of a selected Faculty Adviser.

Student participation in school activities, whether it be observation, teaching practice, demonstration lessons, or field trips, will become the basis for discussion in these seminar groups. Laboratory note books are required.

The granting of a degree or teaching certificate is dependent upon satisfactory performance in these laboratory courses. No units are awarded.

First Year students in the regular elementary programme will have their observation and practice teaching on Tuesday mornings. At the conclusion of their final examinations, they will have a block of two weeks of observation and practice teaching.

All other students in the elementary programme, who are taking their "Professional Year," will have their observation and practice teaching for the whole of each Thursday. They will also have a one week practicum in the fall term, a two week practicum in the spring term, and a three week practicum at the end of the session.

Students in the Second Year of the Secondary Programme will have their observation and practice teaching one half day a week throughout the session.

### The Bachelor of Education (ELEMENTARY) Degree Programme:

This is the standard programme designed for the training of elementary school teachers. It consists of a total of 66 units.

Successful completion of the first two years of this programme fulfills requirements for the interim E.B. Teaching Certificate; successful completion of three years, the E.A. Certificate; graduation with the B.Ed. degree, the P.C. Certificate. Candidates who complete an appropriate five years of work may qualify for the P.B. Certificate and are referred for a programme to the Director of Teacher Education.

First Year	Units
English 100 (Lit. and Comp.) .....	3
*History 102 .....	3
Any first year laboratory science such as Biology 105, Botany 105, Chemistry 101 or 102, Geography 101, Physics 101 or 103, Zoology 105 .....	3
Fine Arts 101, or the first year of a language other than	
English, or first year Mathematics .....	3
Education 102 .....	3
Education 197 .....	0
Compulsory Physical Education .....	0

\* History 101 will be accepted in lieu of History 102 if taken prior to registration in the Faculty and College of Education.

Second Year		Units
Education 297 .....		0
Education 201 .....		1½
Education 202 .....		1½
Education 203 or 204 .....		3
Education 205 .....		1
Education 207 .....		1
Education 209 .....		1
English 200 .....		3
Mathematics 203 .....		3

Third Year		Units
Education 397 .....		0
English 300 or 400 .....		3
Education 331 or other approved course in educational psychology or Psychology 301 .....		3
Geography 303 .....		3
9 units devoted to the major chosen (see pages 86 and 87) or to electives or to a combination of both** .....		9

Fourth Year		Units
Education 497 .....		0
Education 400 or 430 .....		3
Education 309 or other approved course .....		3
12 units devoted to the major chosen (see pages 86 and 87) or to electives or to a combination of both** .....		12

\*\* In this block of 21 units in Third and Fourth years the student is expected to complete at least one major. If he chooses a professional major the remaining courses of the 21 unit group should be academic. If his major or sequences be academic the remaining courses should be professional.

The programme above is planned so that students may leave the University or College after the Second Year to teach in schools. The Department of Education may grant a teaching certificate to those who complete the first two years successfully, but the certificate will not be permanent until further courses in Third year are completed; and the University will, of course, not award a degree until all four years are successfully accomplished. The plan, however, does allow teachers to complete the Third and Fourth years by summer session attendance or by extra-sessional courses during the winter.

Students beginning Third Year work should follow the programme outlined above. Students already embarked on Third and Fourth Year work have a choice of completing their degree under the former programme or under the new regulations.

The work of the first two years requires full-time attendance during the day for the normal University winter session.

Students from other faculties and departments may transfer to the Faculty and College of Education in September of any year in the programme outlined above, and adequate provision is made for substitution of courses for those prescribed above. At least one full year of professional work must be taken, however, on campus during the winter session in the College of Education. All the prescribed professional courses must eventually be completed before the degree will be awarded.

#### The Bachelor of Education (SECONDARY) Degree Programme (five years):

This is the standard programme designed for the training of secondary school teachers. It consists of a total of 78 units. Every student is required either to major in two subjects ordinarily taught in high school or to take an Honours Course in one such subject. In each major, in addition to prerequisite courses, at least 15 units must be taken, 9 of which must be from senior years. An average of 60% at least is required in the senior courses of each of the majors which constitute a candidate's programme. A candidate who elects to take an Honours Course in one teaching field must be prepared to complete 84 units for the degree.

First Year		Units
English 100 (Lit. and Comp.) .....		3
History 102 .....		3

	Units
Two of Mathematics 101 or 120, first year science, first year language other than English .....	6
Necessary prerequisite in major subject, or elective .....	3
Compulsory Physical Education .....	0

Second Year	Units
Education 200 .....	3
English 200 .....	3
Nine or 12 units in Arts, Science, Agriculture, Commerce, Home Economics or Physical Education to complete any omitted courses of the First Year and to complete prerequisites or to commence work in teaching majors (see pages 83-86) .....	9 or 12
Compulsory Physical Education .....	0
Education 298 .....	0

Third Year	Units
Education 301 .....	3
Courses required for majors or Honours (see pages 83-86) .....	15

Fourth Year	Units
English 300 or 400 or second year of a language other than English .....	3
Education 404 relating to one teaching major .....	1½
Education 435 .....	1½
Majors, combined majors, or Honours (see pages 83-86) .....	9 or 12
Education 498 .....	0

Fifth Year	Units
(not offered at Victoria College)	
Education 332 .....	3
Education 400 .....	3
Education 404 relating to the other teaching major .....	1½
(Every student is strongly urged to audit an additional course in Education 404.)	
Education 410 .....	1½
Two of Education 390, 401, 407, 408, 411, 412, 414, 415, 416, 417, 428, 461, 470, 490; or one of the above Education courses and one academic elective approved by the Director. (See note below.) .....	6
Education 499 .....	0

Note: The student planning to proceed to a master's degree in Education following completion of his undergraduate degree work is advised to elect one of the following from the above list according to his intended field of specialization:

- Education 400 or 430 (for History and Philosophy)
- Education 401 (for Educational Psychology)
- Education 407 (for Special Education)
- Education 411 (for Guidance and Counselling)
- Education 412 (for Adult Education)
- Education 461 (for Curriculum Instruction)
- Education 470 (for Educational Sociology)

## OTHER PROGRAMMES - Elementary Field

### 1. One-Year (Transfer) Programme (Elementary):

This programme is for those with Grade XIII or First, Second or Third Year standing. Students enrolling in it will be registered as Second, Third or Fourth Year Education students respectively (by transfer).

	Units
Education 297 .....	0
Education 102 .....	3
Education 201 .....	1½
Education 202 .....	1½
Education 203 or 204 .....	3



	Units
Education 205 .....	1
Education 207 .....	1
Education 209 .....	1
English 200 or 300 or 400 .....	3
Mathematics 203 .....	3

Admission as "conditioned" students to Second Year Education is granted on completion of 9 units of Senior Matriculation or First Year. Students transferring from another faculty will be given credit, where possible, for all courses of these years. Students with conditioned standing may resolve their deficiencies by taking courses in summer session.

2. Two-Year Programme for Teachers Holding a Normal School Diploma with the Elementary Basic Teaching Certificate and Proceeding to the B.Ed. Degree (Elementary Field):

Third Year	Units
English 200 .....	3
One of English 301, first year language other than English, Mathematics, 101 or 120, Fine Arts 101, Music 120, Geography 303 .....	3
A first year laboratory science. If this has been previously taken, an elective course may be substituted .....	3
Education 331 or approved alternative .....	3
Major or electives .....	6
Fourth Year	
English 300 .....	3
Education 400 or 430 .....	3
Education 309 or approved alternative .....	3
Major or electives .....	9

3. Programme in Elementary Education for graduates of other faculties.

Students with a Bachelor's degree from another faculty who desire to become elementary teachers will take the following programme: Education 102, 201, 202, 203 (or 204), 205, 207, 209, Mathematics 203, and an approved senior Education course.

4. Programmes for graduates with the Bachelor of Education (Elementary).

Graduates of the four year degree programme in the Elementary Field may fulfill requirements for Professional Basic certification by completing an appropriate fifth year of study under guidance of the Director of Teacher Education.

At the discretion of the Director, permission may be granted to include in the fifth year programme a second year of a foreign language to meet prerequisite requirements for a Master's degree.

### OTHER PROGRAMMES - Secondary Field

1. One-Year Programme (Secondary) for Graduates: (not offered at Victoria College).

Although the requirements for the Interim P.B. Certificate are satisfied by this course, a further 6 units are needed to satisfy the requirements for the permanent Professional Basic Certificate.

	Units
Education 301 .....	3
Education 400 .....	3
Education 404 .....	3
Education 410 .....	1½
Education 435 .....	1½
One of Education 332, 390, 401, 407, 408, 411, 412, 414, 415, 416, 417, 428, 461, 470, 490 .....	3
Education 499 .....	0

Should candidates, after completing the above programme, wish to continue toward the B.Ed. degree for graduates, the following additional courses will be required:

	Units
Education 332 (if not already taken) .....	3
12 units which may be chosen from the following: Education 390, 401, 408, 411, 412, 414, 415, 416, 428, 461, 470, 490, 491, English 300 or 400, one of French 210, (220), Russian 200, German 200, three to six units of senior academic work in the student's completed teaching majors .....	12
(Also see note following Fifth Year of Secondary Degree Programme.)	
2. Three-Year Programme for Teachers Holding the Elementary Basic Teaching Certificate:	

Third Year (see Note 1 below)	Units
English 200 .....	3
Two of Mathematics 101 or 120, a first year science, a first year language other than English .....	6
Courses required for majors or honours or prerequisites thereto .....	9

Any of the above courses previously taken for E.B. credit must be replaced by approved electives. If the student has not already taken a history course, History 102 is required.

Fourth and Fifth Years (see Note 1 below)	Units
English 300 or second year language other than English (see Note 2 below) .....	3
Courses required for majors in two teaching subjects .....	21
One of Education 332, 400, 430, 470, 519, or 523 .....	3
Education 404 (corresponding to each of the teaching majors. (See notes 3 and 4 below) .....	3-6
TOTAL .....	48-51

NOTE:

- Where the student's programme permits electives, these should ordinarily be chosen from the academic subjects. Only three units of Education courses other than those which are required may be counted for degree credit. Courses relating to teaching in the elementary school will not be accepted for credit. Any one of the following courses will carry credit: Education 309, 332, 390, 400, 401, 407, 408, 411, 412, 414, 415, 416, 417, 428, 430, 461, 470, 490, 519, or 523. The student planning to proceed to a master's degree in Education following completion of his undergraduate degree work is advised to elect one of the following from the above list according to his intended field of specialization:  
 Education 400 or 430 (for History and Philosophy)  
 Education 401 (for Educational Psychology)  
 Education 407 (for Special Education)  
 Education 411 (for Guidance and Counselling)  
 Education 412 (for Adult Education)  
 Education 461 (for Curriculum and Instruction)  
 Education 470 (for Educational Sociology)
- All English majors must complete English 400 instead of English 300. A second year of a foreign language may not be substituted for English 400.
- Where appropriate to the student's teaching major, Education 305, 307 or 490 may be substituted for the Education 404 course in the corresponding subject matter field.
- When Education 404 is taken by a student in attendance at a winter session, Education 498 will be required.

## UNDERGRADUATE COURSES IN EDUCATION

102. (3) **Principles of Teaching.**—The bases of the learning and teaching processes; the nature, aims and purposes of Education; the application of educational principles in preparing and presenting lessons, in developing good questioning techniques, in the use of teaching aids and in maintaining discipline.

Text-books: *Manual of School Law*; Laycock, *Teaching and Learning*. (3-0; 3-0)

**\*150. (3) Introduction to Industrial Arts.**

197. (0) **Seminar and Practice Teaching.**—One hour per week seminar. Tuesday mornings, observation and participation in elementary schools. Demonstration lessons and field trips as arranged. Individual tuition from faculty adviser. Compulsory two-week post-sessional practicum.

200. (3) **Introduction to Education.**—An introductory treatment of the nature, aims and purposes of secondary education; the characteristics of good teaching and good teachers; the preparation of various types of lessons; techniques of questioning; provision for individual differences; testing; reporting to parents; classroom organization; maintenance of discipline; school law and the administrative organization of British Columbia schools; audio-visual techniques; speech education. (3-0; 3-0)

Text-book: Smith, *Psychology in Teaching*.

201. (1½) **Curriculum and Instruction in Elementary Science.**—A study of (a) the curriculum organization in science and health for the elementary and junior high grades; (b) techniques of instruction in science for these grades. (1-0; 2-0)

Text-book: Craig, *Science for the Elementary School Teacher*.

202. (1½) **Curriculum and Instruction in Elementary Social Studies.**—A study of (a) curriculum organization in social studies for elementary and junior high grades; (b) techniques of instruction in social studies for these grades. (2-0; 1-0)

Text-books: Dent, *Canadian School Atlas*; Jarolimek, *Social Studies in Elementary Education*.

203. (3) **Curriculum and Instruction in the Language Arts, and Integrated Subjects of the Primary Grades.**—A study of (a) The curriculum organization; (b) techniques of instruction in these grades.

Text-books: Bowers, *Beginning in the Language Arts*; Dickie, Ricker, Tyner, Woodhead, *Teaching Reading in the Intermediate Grades*; Program of Studies: Primary Grades. (4-0; 4-0)

204. (3) **Curriculum and Instruction in the Language Arts.**—Intermediate grade emphasis. A study of (a) the curriculum organization in the language arts particularly in the intermediate grades; (b) techniques of instruction in these subjects and grades.

Text-books: Hall, *Growth Through the Language Arts*, New Edition, 1960; Dickie, Ricker, Tyner, Woodhead, *Teaching Reading in the Intermediate Grades*; Program of Studies: Intermediate Grades. (4-0; 4-0)

205. (1) **Curriculum and Instruction in Art.**—A study of (a) the curriculum organization in art for the elementary and junior high grades; (b) techniques of instruction in art for these grades. (2-0; 2-0)

207. (1) **Curriculum and Instruction in Music.**—A study of (a) the curriculum organization in music for the elementary and junior high grades; (b) techniques of instruction in music for these grades. (1-0; 1-0)

Text-book: Pierce, *Teaching Music in the Elementary School*.

209. (1) **Curriculum and Instruction in Physical Education.**—A study of (a) the curriculum organization in physical education for the elementary and junior high grades; (b) techniques of instruction in physical education for these grades.

Text-books: (For women) Neilsen and Hagen, *Physical Education for Elementary Schools*; (For men) Miller and Whitcomb, *Physical Education in the Elementary School Curriculum*. (2-0; 2-0)

**\*230. (3) Electricity in Industrial Arts.**

\* Not offered at Victoria College 1961-62.



**\*252. (3) Mechanical Drawing I.**

**297. (0) Seminar and Practice Teaching.**—One hour per week seminar. Full day Thursdays, observation and participation in elementary schools. One week practicum in fall term, two week practicum in spring term, three week post-sessional practicum. Demonstration lessons and field trips as arranged. Individual tuition from faculty adviser. (1-5; 1-5)

**298. (0) Seminar and Practice Teaching.**—One hour per week seminar. Half day each week observation and participation in junior high schools (Tuesday afternoon). Demonstration lessons and field trips as arranged. Individual tuition from faculty adviser. (1-3; 1-3)

**301. (3) Educational Psychology.**—The learner; the learning process; adjustment of the learning situation to individual differences; the adjustment process; mental health. (3-0; 3-0)

Text-book: Monley, *Psychology for Effective Teaching*.

**305. (3) Art Education.**—A study of the growth and development of art education; discussion and use of various art media; the function and purpose of art in school and society; practical studio activities; modern methods and curricula in art education.

Text-book: To be announced. (1-2; 1-2)

**\*306 (1½) Curriculum and Instruction in School Health Education.**

**\*307. (3) Music Education.**

**\*308. (1½) Curriculum and Instruction in Elementary School Physical Education.**

**309. (3) General Science for Elementary and Junior High School Teachers.**—General science as a systematic study of our environment and man's relation to it will cover such topics as living things, matter, energy, earth science, and the universe. Techniques of science, the improvisation and acquisition of necessary equipment, utilization of community resources. The course is intended to provide teachers with a broad background for teaching general science.

Text-book: Cable, Getchell, Kadesch and Poppy, *The Physical Sciences*.

(3-2; 3-2)

**331. (3) Psychology of Childhood.**—Mental, social, emotional and physical characteristics of pre-school and elementary school pupils; their interests and problems. (3-0; 3-0)

Text-book: Breckenridge and Vincent, *Child Development*, 4th Ed.

**\*332. (3) Psychology of Adolescence.**

**\*333. (3) Special Problems in Pre-School Education.**

**\*336. (3) Modern Theories of Pre-School Education.**

**\*350. (3) Technology of Woodworking I.**

**\*351. (3) Technology of Metalworking I.**

**\*352. (3) Mechanical Drawing II.**

**\*354. (3) Oxy-Acetylene and Arc Welding.**

**\*365. (3) Oral French for Elementary Teachers.**

**\*390. (3) Librarianship: Sources of Information.**

**397. (0) Seminar and Practice Teaching.**

**400. (3) Survey of Educational Thought.**—This is an introductory course in which consideration is given to both the historical and philosophical foundations of education and to the practical bearings of theory upon curriculum content and classroom practice in our schools. Reading assignments, topical reports and term papers form an important part of the course.

Text-books: Curtis and Boulwood, *A Short History of Educational Ideas*; Lodge, *Philosophy of Education*. (3-0; 3-0)

\* Not offered at Victoria College 1961-62.

\*401. (3) **Theoretical Bases of Educational Psychology.**

\*403. (1½) **Introduction to Guidance Services.**

404. (1½) **Curriculum and Instruction in Specific Secondary School Subjects—History.**—A consideration of the objectives, the scope and content of the curriculum the learning process, together with methods of presentation, and the materials of instruction. Consideration will also be given to evaluation of pupil progress and diagnosis of and remedy for individual and group difficulties. (2-0; 2-0)

405. (3) **Curriculum and Instruction in the Kindergarten and Primary Grades—Advanced.**—Current research findings; trends and problems dealing with personality development, classroom management, and the programme of instruction in the kindergarten and grades one, two, and three.

Text-book: To be announced.

(3-0; 3-0)

\*406. (3) **Curriculum and Instruction in the Intermediate Grades—Advanced.**

\*407. (3) **Teaching the Mentally and Physically Handicapped.**

\*408. (3) **Teaching the Mentally Superior.**

\*410. (1½) **The Organization and Administration of B.C. Schools.**

\*411. (3) **Guidance and Counselling Services in Schools.**

\*412. (3) **Introduction to Adult Education.**

\*414. (3) **Audio-Visual Education.**

415. (3) **Developmental Reading.**—The problems of teaching reading, grades I-XII; the nature and psychology of reading; the basic skills and abilities; evaluating reading, remedial reading. (3-0; 3-0)

Text-book: Russell, *Children Learn to Read.*

\*416. (3) **Speech Education for Teachers.**

\*417. (3) **Teaching Dull and Backward Children.**

\*419. (3) **Introduction to Speech Correction.**

\*420. (3) **Teaching the Severely Mentally Handicapped.**

\*421. (3) **Teaching the Partially Seeing Child.**

\*422. (1½) **Phonetics.**

\*423. (1½) **Problems of the Deaf and Hard-of-Hearing.**

\*424. (3) **Principles of Speech Correction.**

\*428. (3) **Mental Health and Maladjustment in School Children.**

\*430. (3) **History of Education.**

435. (1½) **Introduction to Evaluation.**—A study of the construction, use and interpretation of educational achievement tests, including the following elementary statistics: measures of central tendency, measures of variability, standard scores, and simple methods of correlation.

Text-book: To be announced.

(1-0; 1-0)

\*450. (3) **Technology of Woodworking II (Cabinet Making).**

\*451. (3) **Technology of Metalworking II.**

\*452. (3) **Technology of Woodworking III (Building Construction).**

\*453. (3) **Auto Mechanics.**

461. (3) **Diagnostic and Remedial Teaching.**—Interpretation of informal and standardized test scores in educational diagnosis; estimates of actual and optimum

\* Not offered at Victoria College 1961-62.

levels of individual achievement; individual differences as factors affecting performance; methods of encouraging the optimum achievement of individuals; methods and practice materials for the remedial teaching of reading, mathematics, spelling and English in the elementary and secondary school. (3-0; 3-0)

Text-book: Blair, *Diagnostic and Remedial Teaching*.

\*470. (3) **Educational Sociology.**

\*490. (3) **The Library in the School.**

\*491. (3) **The Acquisition and Organization of Library Materials.**

497. (0) **Seminar and Practice Teaching.**

498. (0) **Seminar and Practice Teaching.**

\*499. (0) **Seminar and Practice Teaching.**

\* Not offered at Victoria College 1961-62.

## TEACHING MAJORS FOR SECONDARY TEACHERS

Candidates must major in two, or complete an Honours equivalent in one, of the following subject areas. An average of 60% at least is required in the senior courses of each of the majors which constitute a candidate's programme. Arrangements for an Honours Course in a teaching subject are indicated on page 86. Courses carrying fewer than 3 units of credit are indicated by a smaller number in brackets following the course number, e.g., Horticulture 200 (1½). Only with the prior permission of the Director of Teacher Education may exceptions be granted in any of the following requirements for majors.

### 1. Agriculture

First and Second Years: Mathematics 101 or 120, Chemistry 101 or 102, Physics 101, Botany 105, Zoology 105, Agriculture 100 (1).

Senior Years: Animal Science 200 (1½), Horticulture 200 (1½), Soil Science 200 (1½), Agricultural Mechanics 200 (1½), Dairying 200 (1½), Poultry Science 200 (1½), Agricultural Economics 200 (1½), Agriculture 300 (1), Agronomy 200 (1½).

Note: The requirements of Agriculture 300 are completed by participation in the one-week field trip just prior to the registration week of the Fourth or Fifth Year.

### 2. Art

First and Second Years: Fine Arts 101, 300.

Senior Years: Fine Arts 301, 302 and one of the following groups of two: Fine Arts 401, 402; Fine Arts 303, 403; Fine Arts 305, 405; Fine Arts 307, 407.

### 3. Art (Double Major)

First and Second Years: Fine Arts 101, 300, 301, 302.

Senior Years: Fine Arts 401, 402, 404, 425, and **one** of the following groups of three: Fine Arts 303, 403, 413; Fine Arts 305, 405, 415; Fine Arts 307, 407, 417.

### 4. Biological Sciences

First and Second Years: Mathematics 120 (or 101), Botany 105, Chemistry 101 or 102, Geology 200 (if necessary Geology 200 may be deferred to the Third or Fourth Year), Physics 101, Zoology 105.

Senior Years: **One** of Botany 330 (2), Zoology 303, Biology 400, Zoology 418; **one** of Botany 205, Zoology 202; **one** of Botany 425, Biology 320, Zoology 416, Biology 332-3, Zoology 301, Zoology 401.

Note: Only one of English 200 or 300 need be taken.

### 5. Commerce (Secretarial Major)

First and Second Years: Commerce 90, 101.

Senior Years: Commerce 151, 201, 376, 391.



6. Commerce (Business Major)

First and Second Years: Commerce 90, 151.

Senior Years: Economics 200, Commerce 331, 376, 391.

7. Commerce (Double Major)

First and Second Years: Commerce 90, 101, 151, Economics 200.

Senior Years: Commerce 201, 252 or 363, 261, 331, 376, 391.

8. Chemistry

First and Second Years: Mathematics 101 or 120, and 202, Physics 101, Biology 105 (or Botany 105 and Zoology 105), Chemistry 101 or 102 and 200 or 205, Geology 200 (if necessary Geology 200 may be deferred to the Third or Fourth Year).

Senior Years: Chemistry 300, 310 and three additional units chosen from Third or Fourth Year Chemistry. Chemistry 304 is recommended.

Note: Only one of English 200 or 300 need be taken.

9. English

First and Second Years: English 100 (Lit. and Comp.), English 200.

Senior Years: English 400 (in place of English 300), one of English 411, 412, 413; one of English 406, 424, 426, 430, 431, 432; one of English 427, 428, 429, 433, 434, 435, 439.

Note: Two years of a language other than English are required.

10. French

First and Second Years: French 120 (or 110), 220 (or 210), 223.

Senior Years: 9 units in French courses numbered 300 or higher including 300 and 302.

Note: Election of one course in Latin, Greek, another modern language, or linguistics, is recommended.

11. Geography

First and Second Years: History 101 or 200, and 102, Geography 101 and 201.

Senior Years: (a) one of Geography 301, 302, 304, 306, 310; (b) one of Geography 303, 404, 406, 408, 409, 410; (c) three additional units from (a) or (b) or Geography 445 with special permission.

Election of an additional course in History, Anthropology, Political Science, Sociology, Economics or Commerce 331 is recommended, and in the case of students electing History as their second major this additional course is required.

12. German

For students wishing to major in German and a second language other than English, French is strongly recommended.

First and Second Years: German 120 (or 110 or 130), German 200, German 223.

Senior Years: German 300, 302, plus one additional senior German course.

Note: Election of an additional course in German is strongly advised and election of one course in Latin, Greek, another modern language, or linguistics, is recommended.

13. History

First and Second Years: History 102 and one of 101 or 200.

Senior Years: History 201 or 310 or 312; History 304 or 313 or Classical Studies 331; another History course from Third or Fourth Year or a course acceptable for credit in History.

Additional required course: Geography 303.

Note: Election of an additional course in Geography, Anthropology, Political Science, Sociology, Economics or Commerce 331 is recommended, and in the case of students electing Geography as their second major this additional course is required.

**14. Home Economics**

First and Second Years: Home Economics 101 ( $1\frac{1}{2}$ ), 102 ( $1\frac{1}{2}$ ), 104 ( $1\frac{1}{2}$ ), 105, 201 ( $1\frac{1}{2}$ ).

Senior Years: Home Economics 300 and 310 ( $1\frac{1}{2}$ ) and  $1\frac{1}{2}$  to  $4\frac{1}{2}$  units chosen from Home Economics 401, 403 ( $1\frac{1}{2}$ ), 421.

**15. Industrial Arts (Double Major)**

First Year: English 100 (Lit. and Comp.), History 102, Physics 101 or 103, Mathematics 101 or 120, elective.

Note: Students enrolled in the Secondary division of the College of Education for an Industrial Arts major should apply to the Director during their first year for placement for the following year at the B.C. Vocational School where the technical phase of the programme is conducted.

All others interested in enrolling for the Emergency Training Course at the B.C. Vocational School, Burnaby, should apply directly to the Director, Technical and Vocational Education Branch, Department of Education, Victoria, B.C.

Second and Senior Years: Education 150, 230, 252, 350, 351, 352, 451 (all of the foregoing to be taken at the B.C. Vocational School, Burnaby), Education 354, 450, 452, 453.

Note: In order to qualify for the degree the student must also complete English 200, 300 and the 24 units of Education courses required of all candidates for the B.Ed. (Secondary)— see page 76.

**16. Latin**

First and Second Years: Latin 120 (or 110), 220 (or 210).

Senior Years: Latin 303, 310 ( $1\frac{1}{2}$ ) and two of 304, 405, 406.

Note: Election of Classical Studies 331 is strongly advised and Greek 100 is recommended.

**17. Librarianship**

English 301; Education 390, 490, 491; and prerequisites to be determined in consultation with the Director.

**18. Mathematics**

First and Second Years: Mathematics 101 (or 120) and 202.

Senior Years: Mathematics 306, 308 and 412 (or 300 if needed).

**19. Music**

Prerequisites: Fine Arts 101 or Music 120 and previous music training satisfactory to the Faculty of Education.

First and Second Years: Music 101, 201.

Senior Years: Music 302, 303, 401 and one music elective.

**20. Physical Education.**

First and Second Years: Physical Education 105 (2), 205 (2), 262 ( $1\frac{1}{2}$ ).

Senior Years: Physical Education 305 (3), 405 (3), 460 ( $1\frac{1}{2}$ ), 260 ( $1\frac{1}{2}$ ), or 360 ( $1\frac{1}{2}$ ), 361 ( $1\frac{1}{2}$ ), or 462 ( $1\frac{1}{2}$ ).

**21. Physics**

First and Second Years: Mathematics 101 (or 120) and 202, Biology 105, (or Botany 105 and Zoology 105), Chemistry 101 or 102, Physics 101 and 200, Geology 200 (if necessary Geology 200 may be deferred to the Third or Fourth Year).

Senior Years: Physics 300, 308, 400.

Note: Only one of English 200 or 300 need be taken.

**22. Russian**

First and Second Years: Russian 100, 200 (or 203). (For students wishing to major in Russian and a second language other than English, French is strongly recommended.)

Senior Years: Nine units from Russian language courses numbered 300 or higher. Election of Slavonic Studies 308 is recommended as an additional course.

### 23. Spanish

For students wishing to major in Spanish and a second language other than English, French is strongly recommended.

First and Second Years: Spanish 120 (or 110), 201.

Senior Years: Spanish 304 and two other Spanish courses numbered 300 or above.

Note: Election of an additional Spanish course is strongly advised, and election of a course in one of Latin, Greek, another modern language, or linguistics, is recommended.

### 24. Theatre

First and Second Years: English 100 (Lit. and Comp.), Theatre 200 (now an Introduction to Theatre) concurrently with English 200.

Senior Years: Required—Theatre 400 and one of Theatre 300, 310, 320 (chosen in consultation with the Department of Theatre); and one of Theatre 301, 410, English 412, 413.

### 25. Zoology and Botany (Double major)

First and Second Years: Botany 105, Chemistry 101 or 102, Mathematics 101 or 120, Physics 101, Zoology 105, Geology 200 (if necessary Geology 200 may be deferred to the Third or Fourth Year).

Senior Years: Botany (205 and 6 additional units); Zoology (202 and 6 additional units).

Note: Only one of English 200, or 300 need be taken.

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### Single Honours Courses

Students who have the required standing at the Second Year of the Bachelor of Education programme may specialize in one of the following subject areas:

Biology	History	Agriculture
Botany	Latin	Commerce
Chemistry	Mathematics	Home Economics
English	Physics	Physical Education
French	Spanish	
Geography	Zoology	
German		

Specialization in a single course requires the completion of 84 units of work in the five years of the Bachelor of Education programme. Programmes for subjects listed in the first two columns above are governed by the regulations for the Honours Curriculum of the Faculty of Arts and Science listed on page 45. Further details will be found under the subject heading in the section dealing with courses in Arts and Science, pages 53-68.

Details for specialization in the subjects listed in the third column must be worked out with the head of the faculty or school concerned.

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### PROFESSIONAL MAJORS AND ACADEMIC SEQUENCES FOR ELEMENTARY TEACHERS

In Third and Fourth years, as noted above, students have 21 units in which they are expected to complete either one professional major together with academic electives, or an academic major or academic sequences as approved by the Director together with professional electives. Successful completion of the Bachelor of Education programme requires a 60% average in the senior year courses of the major.

#### PROFESSIONAL MAJORS

##### Art Education

###### 1st year

Fine Arts 101.



3rd year  
F.A. 300 and any **one** of the following: F.A. 303, F.A. 305, F.A. 307, F.A. 401.

4th year  
Ed. 305 (in place of Ed. 309), F.A. 302 and any **one** of the following: F.A. 402, F.A. 403, F.A. 405, F.A. 407.

#### Handicapped Children

3rd year  
Ed. 407 and 331 (or other approved psychology course) and 3 units of Education 414, 415, 417, 419, 420, 421, 422, 423, 424, 461.

4th year  
2 more of the above electives. (Specialization in a particular area on the advice of the Faculty.

#### Intermediate Education

2nd year  
Ed. 204 preferred but not required.

3rd and 4th years  
Ed. 415, 461 and 6 units of Ed. 305, 306, 307, 308, 365, 406, 407, 408, 411, 414, 416, Theatre 301, Eng. 301, Math. 303 (if approved by Arts and Science.)

#### Librarianship

3rd year  
Eng. 301, Ed. 390.

4th year  
Ed. 490, Ed. 491.

#### Music Education

1st year  
Music 101.

3rd and 4th years  
Music 201, Music 120 or F.A. 101 in place of Ed. 401, Music 302, Music 303, Ed. 307 in place of Ed. 309, Music 401.

#### Pre-school Education

3rd and 4th years  
Ed. 333, 336, and two of Ed. 305, 307, 414.

#### Physical Education

15 units chosen from P.E. 105, 205, 305, 405, 262, 260 or 360, 460, 462, or 361, Education 306, Education 308.

#### Primary Education

2nd year  
Ed. 203 preferred but not required.

3rd or 4th years  
Ed. 405, Eng. 301. Two of Ed. 305, 307, 407, 408, 414, 415, 416, 461, Theatre 301.

### ACADEMIC MAJORS OR SEQUENCES

A student may choose to complete an academic major in Third and Fourth Years. By consultation with the department concerned, the student will find this is possible in certain fields such as Classics, English, French, Geography, History and Mathematics. If First and Second Year prerequisites prevent completion of an academic major, the student may choose a professional major and elect a group of academic courses for the remainder of the 21 units. For academic major requirements consult the Arts and Science section of the calendar; for academic sequences consult the Director.

## COURSES LEADING TO THE DEGREE OF B.A.Sc. (APPLIED SCIENCE)

(Four-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College).

The degree of Bachelor of Applied Science is granted on completion of the work in one of the courses given below:

- |                              |                               |
|------------------------------|-------------------------------|
| 1. Agricultural Engineering. | 6. Geological Engineering.    |
| 2. Chemical Engineering.     | 7. Mechanical Engineering.    |
| 3. Civil Engineering.        | 8. Metallurgical Engineering. |
| 4. Electrical Engineering.   | 9. Mining Engineering.        |
| 5. Forest Engineering.       | 10. Engineering Physics.      |

### Admission

For admission to courses in Engineering, a student must have completed the First Year in Arts and Science or its equivalent at an approved university or by Senior Matriculation.

Required subjects are:

English 100 (Lit. and Comp.)	Chemistry 102
Mathematics 120	Physics 101
Language: one of the following—Latin 110 or 120, French 110 or 120, German 90 or 110 or 120 or 130, Russian 100.	

The passing grade for entrance to courses in Engineering is 60 per cent. in Mathematics, Chemistry and Physics, and 50 per cent. in other subjects.

Candidates who expect to complete the requisite entrance standing through University or Victoria College or Senior Matriculation supplemental examinations, held in August or September, may apply for admission and their applications will be considered subject to the results of these examinations.

No student with deficient standing will be admitted to the First Year of Applied Science.

Students intending to enter Applied Science are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation.

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## SCHOOL OF ARCHITECTURE

### COURSE LEADING TO THE DEGREE OF B.Arch. (Architecture)

The course extends over a period of three years, following at least three years of successful study in the Faculty of Arts and Science, in another School of Architecture, or in their equivalent at any approved university. Candidates are strongly urged to obtain their Bachelor of Arts or their Bachelor of Science degree before entering this School. The degree granted upon satisfactory completion of the course is Bachelor of Architecture (B.Arch.).

### Admission

A candidate seeking admission to the School of Architecture must apply to the Registrar not later than August 15th. A 200-word statement giving the reasons why he has chosen to follow this professional course should accompany the application. Students from other institutions must submit with their application transcripts of records covering their full academic background. Before application, a candidate should arrange at as early a date as possible, or may be required to arrange, for an interview with the Director of the School or some other representative of the School acting on his behalf.

The candidate's admission will be considered upon evidence of the following:

1. (a) Successful completion of three years of the course leading to the degree of Bachelor of Arts or the Bachelor of Science in the University of British Columbia with either (a) an average of at least 65% in the examinations of the Third

Year in a full course, or (b) an average of at least 65% in the combined results of the examinations in the Second and Third Years;

or

(b) Successful completion of the equivalent of (a) at an approved university. It is suggested that candidates in this category should take at least one of their pre-architecture years at the University of British Columbia;

or

(c) Graduation in an approved course of studies at the University of British Columbia or at another approved university, with a graduation standing of at least 60%. A student lacking the required prerequisites for entry into the School may be permitted in special cases to take a limited number of these courses concurrently with his studies in Architecture;

or

(d) Successful completion of a minimum of two full academic years at another School of Architecture, subject to the candidate having the required prerequisites (see Advanced Standing).

2. Passed the following subjects or their equivalent, which are prerequisite to entry into the School of Architecture.

English 100 (Lit. and Comp.)

English 200

Mathematics 101 or 120

Mathematics 202 or 220 and 221\*

\*Honours only.

Fine Arts 225 or Arch. 260

Fine Arts 228

Physics 101

Physics 200

Physics 326

Note: A student who is preparing himself primarily for entrance into the School of Architecture is advised to choose his elective subjects in fields which will give him (a) greater understanding of man's mind and body and of his institutions; (b) knowledge of the physical world and its chemistry; (c) appreciation of aesthetic values and understanding of the Fine Arts. The School will be glad to assist the student with his choice of subjects. Students are, however, warned that should they wish to obtain a B.A. or B.Sc. degree they must follow the requirements for these degrees as described in the Calendar.

3. Evidence of drawing ability; since many of his studies and means of communication depend on descriptive drawing, painting and architectural drafting, it is essential that the student acquire an elementary ability in these techniques before entering the School. At any time prior to application for admission to the School the student must submit to the Director of the School a folio of work giving evidence of his ability in drawing and drafting. Courses of instruction are usually available through extension departments of universities and technical or art schools. At the University, the School of Architecture offers a non-credit course, through the Extension Department for those students who wish to take it, and for those students, who, in the opinion of the School, require such instruction. Prior to registration and beginning the day after Labour Day, the School also offers a two-week course in sketching. This course is recommended to all pre-Architecture students as a non-credit course before the beginning of their Second and Third years.

### Advanced Standing

Undergraduates from other Schools of Architecture and graduates in Engineering may, upon application, be granted such standing as the School determines and permitted to take a limited number of prerequisite courses concurrently.



## COURSE LEADING TO THE DEGREE OF B.S.N. (Nursing)

(Four-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College)

### Admission

Requirements as follows:

- (a) Completion of First Year in Arts and Science at the University of British Columbia, or Victoria College, or its equivalent at an approved university or by Senior Matriculation. Required subjects are:

English 100 (Lit. and Comp.).

Chemistry 101 or 102

Mathematics 101 or 120.

Zoology 105 or Biology 100 (Senior Matriculation) and one other course which may be:

Economics, Geography, History, Philosophy, Psychology, a foreign language, or another approved elective.

Students must obtain a final mark of at least 60 per cent. in either Chemistry or Zoology (or Biology) or, in lieu of this an overall average of at least 60 per cent. In other subjects at least 50 per cent. is required.

- (b) Good Health.

- (c) Personal suitability.

- (d) Courses in Physical Education are required in First Year Arts and Science and in First Year Nursing.

Application for admission, on forms obtained from the School of Nursing, should be submitted not later than August 15th. Students are advised to establish contact with the School as early as possible, e.g., when they register for First Year Arts and Science or during their Senior Matriculation year.

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## COURSE LEADING TO THE DEGREE OF B.S.F. (Bachelor of Science in Forestry)

The degree of Bachelor of Science in Forestry is granted on the completion of four years work in the Faculty of Forestry.

The courses in Forestry provide a strong, well-rounded professional forestry training and at the same time give the student, through his choice of electives, an opportunity to supplement his knowledge of allied sciences, as a background toward further specialized training. This objective is attained by requiring the student to take during each academic year a basic core of essential subjects and a certain number of other courses which are elective. The choice of the student's electives is governed by the particular phase of forestry in which he is interested. The main phases of technical forestry or allied fields are: Forest Management, Forest Business Administration, Forest Harvesting, Forest Products and Wood Technology, Forest Pathology, Forest Entomology and Wildlife Management.

### Admission

For admission to Forestry, a student shall have completed the First Year in Arts and Science at the University of British Columbia or Victoria College, or Grade XIII (B.C.), or the equivalent.

Students who plan to enter Forestry should register for the following courses in First Year Arts and Science or the equivalent in Grade XIII.

Botany 105 (or Physics 101).

Chemistry 101 or 102.

English 100 (Lit. and Comp.).

Mathematics 101 or 120.

One additional course.

A student who does not have credit for either Botany 105 or Physics 101 may be admitted to First Year Forestry but must consult the Dean before registering.

Students intending to enter Forestry are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation (University Programme).

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### **COURSES LEADING TO THE DEGREE OF B.S.A. (Bachelor of Science in Agriculture)**

The degree of Bachelor of Science in Agriculture (B.S.A.) is granted as a General Course degree or with Honours. The General Course leading to the degree of B.S.A. covers a period of four years. The course leading to the degree of B.S.A. with Honours covers a period of five years and may be taken in various specialized fields of study.

The requirements for the First Year consist of 16 units, as outlined below:

- (a) Agriculture 100 (1 unit)
- (b) Botany 105 or Zoology 105
- (c) Chemistry 101 or 102
- (d) English 100
- (e) Mathematics 101 or 120
- (f) Elective (3 units)

Students taking one year's work at the College will lack four units of work in Agriculture which may be taken during the Second Year at the University.

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### **COURSE LEADING TO A DEGREE IN PHARMACY**

The course in the Faculty of Pharmacy covers a period of four years and leads to the Degree of Bachelor of Science in Pharmacy (B.S.P.).

For admission to Pharmacy it is required that the student shall have completed the First Year in Arts and Science with credit for the courses shown below and an average grade of at least 60 per cent., or that he shall have fulfilled the equivalent of these requirements by Senior Matriculation or by equivalent work taken in an approved university. (Students planning to enter Pharmacy are advised to present Chemistry 91, Mathematics 91 and either Physics 91 or Biology 91 for High School graduation.)

The required subjects are Chemistry 101 or 102; English 100 (Literature and Composition); Mathematics 101 or 120; Physics 101 or Zoology 105 (or Senior Matriculation Biology 100); and one optional subject to be chosen from Economics 100, French 110 or 120, Geography 101, German 90 or 110 or 120 or 130, History 101 or 102, Latin 90 or 110 or 120, Philosophy 100, Psychology 100, Russian 100, Spanish 90 or 110 or 120. Candidates who expect to complete the requisite entrance standing through University or Victoria College or Grade XIII (British Columbia) supplemental examinations, held in August, may apply for admission and their applications will be considered subject to the results of these examinations.

Because of limited accommodation, the number of students admitted to the First Year in the Faculty of Pharmacy may be restricted to 75. Preference will be given to those students who have been accepted as registered students of the Pharmaceutical Association of the Province of British Columbia on or before August 15th. Candidates should submit their credentials, prior to this date, to the Registrar, Pharmaceutical Association of the Province of British Columbia, 310 Dominion Bank Bldg., 207 West Hastings St., Vancouver 3.

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### **COURSE LEADING TO BACHELOR OF LAWS**

The course in the Faculty of Law covers a period of three years and prepares students for admission to the practice of law and for business and government service. The curriculum is based on the standard curriculum adopted by the Canadian Bar Association for instruction in the common law system. The degree granted is that of Bachelor of Laws (LL.B.).

Candidates must present evidence of having:

- (a) graduated in an approved course of studies from an approved university; or

- (b) successfully completed the first three years of the course leading to the degree of Bachelor of Arts in the University of British Columbia and either (i) obtained at the regular sessional examinations in the Third Year thereof an average of not less than 65% or (ii) obtained in the combined results of the regular sessional examinations in the Second and Third Years thereof an average of not less than 60%\*; or
  - (c) successfully completed the requirements of the Faculty of Commerce and Business Administration in the combined B.Com., LL.B. course in the University of British Columbia; or
  - (d) successfully completed the equivalent of (b) at an approved university.
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## COURSE LEADING TO A DEGREE IN MEDICINE

Admission to the Faculty of Medicine is based primarily upon ability and pre-medical achievement as demonstrated by scholastic records and aptitude tests, and on qualities as evidenced by interviews and letters of recommendation.

It is required that candidates shall have completed the equivalent of three full years in the Faculty of Arts and Science at the University of British Columbia. The minimum acceptable scholastic average is Second Class standing (65 to 79 per cent.).

Classes entering the First Year of Medicine are limited to sixty (60) students.

Candidates are required to take the Medical College Admission Test before the Fall of their Third Year of pre-medical training. Arrangements to take the test should be made with the pre-medical advisor of the institution at which the student is taking his pre-medical work. Information regarding this test may be obtained from the Psychological Corporation, 304 East 45th Street, New York 17. At the time the test is taken, the student should request that the scores be sent to the Screening Committee, Faculty of Medicine, University of British Columbia, Vancouver 8, B.C.

### Pre-Medical Requirements

The requirements listed below apply to students taking their pre-medical work in the Faculty of Arts and Science at the University of British Columbia or Victoria College. An applicant from another university must submit evidence of having successfully completed equivalent prerequisite courses.

**English:** English 100 (Literature and Composition).

**Mathematics:** Mathematics 101 or 120 (Algebra, Geometry and Trigonometry).

**Chemistry:** Chemistry 101 or 102 (General Chemistry), Chemistry 200 (Analytic, Inorganic and Physical), or Chemistry 205 (Inorganic and Analytical Chemistry), Chemistry 300, or 203 and 303 (Organic Chemistry).

**Physics:** Physics 101 (Elementary Physics).

**Zoology:** Zoology 105 (General Zoology).

The student should select other courses to conform with the requirements for a baccalaureate degree. In general, medical school courses should not be anticipated.

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## EVENING DIVISION

Director: Robert T. D. Wallace, M.A.

Victoria College offers certain credit courses during the evenings and on Saturday mornings for the benefit of adults who are not able to attend the regular day session. The Evening Division term is the same as that of the regular session and classes are conducted for the same number of hours per week. No student may take more than one Evening Division course (3 units) in each session.

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\* Students proposing to seek admission to the Faculty of Law are strongly recommended to take Commerce 151.



In addition to the Regular Credit Courses, the Evening Division offers a limited number of non-credit courses. The courses to be offered in the fall of 1961 will be announced during the late summer, and registration by mail will be arranged early in September.

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### SUMMER SESSION

*Director:* HUGH E. FARQUHAR, M.A.

The announcement of the courses to be offered in the Summer Session (approximately seven weeks in length) will be issued, if possible, before Easter, and will be available on request from the Registrar.

The regulations, etc., governing the Summer Session are as follows:

1. The maximum credit for Summer Session work in any one calendar year is 6 units. Correspondence courses may not be taken concurrently.
2. Students are required to register before the opening day of the session. A fee of ten dollars (\$10.00) will be charged for late registration.
3. All students desiring to obtain formal credit for work done in the Summer Session must, upon entrance, present evidence of High School Graduation (University Programme) of this Province, or its equivalent.
4. Students must attend regularly the classes in a course for which they register. Those whose unexcused absences from such a course exceed one-eighth of its total number of meetings will not be credited with attendance in that course.
5. For statement of fees, see page 20.
6. Summer Session examinations are held at the close of the Summer Session.
7. For regulations regarding standing, credit, and supplementals undergraduates should refer to pages 40 and 41.

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### VICTORIA COLLEGE — U.B.C. ALUMNI

Any student who has completed successfully 15 units of work at Victoria College or at the University of British Columbia is automatically a member of the Alumni Association of the University of British Columbia.

It is hoped that students will take an active interest in alumni affairs. Further information regarding the activities of the local branch may be obtained from Mr. Floyd Fairclough, Executive Secretary, Victoria College — U.B.C. Alumni, c/o Victoria College. (Phone EV 5-3455).

# REGISTRATION FOR 1960-61

## FACULTY OF ARTS AND SCIENCE

	Men	Women	Total
First Year .....	353	143	496
Second Year .....	136	45	181
Third Year .....	71	24	95
Fourth Year .....	32	13	45
Graduates .....	1	—	1
Total .....	593	225	818

## FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

First Year .....	21	—	21
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## FACULTY OF EDUCATION

### Elementary Field

First Year Regular .....	29	149	178
Second Year Regular .....	14	120	134
Third Year Regular .....	2	7	9
Fourth Year Regular .....	1	2	3
Total .....	46	278	324

Special One Year Programme .....	3	7	10
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Second Year Transfers .....	64	99	163
Third Year Transfers .....	13	1	14
Fourth Year Transfers .....	4	—	4
Graduates .....	4	4	8

Total .....	85	104	189
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### Secondary Field

First Year .....	23	8	31
Second Year .....	12	1	13
Third Year .....	2	4	6
Fourth Year .....	2	1	3

Total .....	39	14	53
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Total in Faculty .....	173	403	576
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Grand Total .....	787	628	1415
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Evening Division Credit Courses .....	162	137	299
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Evening Division Non-Credit Courses .....	190	363	553
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Summer Session, 1960, Credit Courses .....	279	419	698
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Summer Session, 1960, Non-Credit Courses .....	2	63	65
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# UNIVERSITY SERVICE TRAINING CORPS

## UNIVERSITY NAVAL TRAINING DIVISION

Since the war the U.N.T.D. has carried on an officer training programme for the Royal Canadian Navy and the Reserve Force. Thus students who are interested in the Navy may avail themselves of training which will develop qualities of leadership, loyalty, sound physique and self-confidence, while fitting themselves for commissions in the Regular or Reserve Force.

All applicants undergo medical and personnel tests prior to enrolment, to determine their fitness.

1. Royal Canadian Navy—Students between the ages of 16 and 21, interested in the Royal Canadian Navy as a career, are selected and enrolled under the "Regular Officers' Training Plan" (R.O.T.P.) as Cadets, R.C.N. Application for admission must be made not later than July 1st in the year of entrance. Application forms and information may be obtained from the Regular Officer Training Plan Selection Board, National Defence Headquarters, Ottawa.

The Royal Canadian Navy pays for books and instruments, all tuition and other essential fees together with a subsistence allowance of \$65 per month plus pay of \$63 per month during the academic year. R.O.T.P. Cadets receive pay at the rate of \$63 per month during periods of practical Summer Training.

2. Royal Canadian Navy (Reserve)—A student between the ages of 17 and 23, interested in a commission in the Royal Canadian Navy (Reserve) is enrolled as a Probationary Cadet. Recruiting will normally cease in mid-November. During January of his first year he appears before a Regional Selection Board and, if found suitable, is promoted to Cadet, RCN (R).

As a Cadet, he must complete three winters and two summers of training with U.N.T.D. and have at least three years of University to his credit in order to be considered for promotion by Selection Boards to Acting Sub-Lieutenant. He may claim up to sixteen full days pay for regular drills during the winter.

During each summer training period, at Naval Establishments and in Ships, Reserve Cadets are paid at the rate of \$225 per month with uniforms, medical care, board and accommodation provided. A Reserve Cadet, if he desires, may apply for a Regular Service Commission.

Full information may be obtained through Staff Officer, H.M.C.S. Malahat. Applications are to be submitted at the College to the Recruiting Officer on or after September 15th, 1961.

## CANADIAN OFFICERS' TRAINING CORPS

The U.B.C. Contingent of the C.O.T.C., of which the Victoria College detachment forms a part, was re-established in 1928 and has operated continuously since that time.

The revised programme governing training in the C.O.T.C. provides an opportunity for selected students to qualify for commissions in the Canadian Army, Regular and Militia. Upon acceptance, the candidate is appointed as an Officer Cadet with the status of 2/Lt. at a basic pay rate of \$225 per month. He is required to devote a minimum of three hours per week at the College to theoretical training in the Winter Session, during which he may earn up to \$100, and he may engage in summer training for a minimum of 12 weeks and up to a maximum of 22 weeks during each of two summers at one of the various Corps Schools of the Regular Army across Canada. The third summer he spends as a junior officer in one of the Regular Army units in Canada or in Germany. On the successful completion of his military training, and upon graduating from the University, the Officer Cadet is qualified for the rank of Lieutenant. A number of officers are accepted into the Regular Army each year. A Regular Officer Training Plan (R.O.T.P.) has also been established whereby selected students with Junior or Senior Matriculation will be subsidized throughout University to their degrees. Their tuition and books will be paid for and, in addition, they will receive an allowance of \$128 per month during the University terms. During the summers they receive \$63 per month all found. On acceptance for R.O.T.P. a student must undertake to serve in the Regular Army for a minimum of three years following graduation.



All inquiries for information should be directed to Captain R. H. Roy, Officer Commanding, Victoria College Detachment, U.B.C. - C.O.T.C.

### R.C.A.F. (RESERVE) UNIVERSITY SQUADRON

The detachment of the R.C.A.F. Primary Reserve Squadron located at the Victoria College Campus offers undergraduates an opportunity to qualify for commissions in the Regular and Reserve components of the R.C.A.F.

Training is carried out at weekly parades during the academic year and at R.C.A.F. Stations during the five-month summer recess. This training is designed to develop character and leadership and to qualify students for a commission in one of the branches of the Air Force.

Students who desire to make the R.C.A.F. a career may be enrolled as Flight Cadets in the R.C.A.F. Regular, under the Regular Officer Training Plan (R.O.T.P.). By agreeing to remain with the air force a minimum of three years after graduation, the selected candidate receives a monthly salary of \$63, a living allowance of \$65 per month or equivalent, and a book allowance of \$75 per year in addition to the College fees. Male students under 25 years of age who meet the medical and academic standards may apply for training under this plan. Preference, however, is normally given to undergraduates taking Engineering or Honours Mathematics, Honours Physics and Honours Chemistry courses.

On the other hand, undergraduates who are interested in the R.C.A.F. on a reserve basis, may enroll in the air force under the University Reserve Training Plan (U.R.T.P.). This plan offers three summers and winters of Reserve training for the student who is accepted. While undergoing training U.R.T.P. members have the status of officers and hold the rank of flight cadet. On completion of three years of training, the successful candidate receives his commission and is promoted to Pilot Officer. Following graduation from university, Pilot Officers are promoted to Flying Officer and their names are placed on the list of inactive reserve officers. Both male and female undergraduates may make application for training under the U.R.T.P. in an air force branch allied with their academic studies. Accepted students are paid at the rate of \$225 per month during the summer and provided with food, lodging, clothing and transportation to the applicable R.C.A.F. unit. Summer training normally covers a period of from 16 to 22 weeks and winter training consists of one parade a week during the academic term. For full attendance at parades during the academic year, U.R.T.P. members may receive a maximum of 16 days' pay amounting to approximately \$100.

Aircrew training is open only to members of the R.O.T.P. Non-aircrew training covers both technical and non-technical branches. The technical branch is broken down into the following components: Aeronautical engineering, armament engineering, construction engineering and telecommunications engineering. The non-technical branch has the following components: accounts, administration, chaplain, education, personnel specialist, recreation, supply, ground defence, flying control, fighter controller, ground observer, and security.

Additional information may be secured by contacting Flight Lieutenant D. W. Halliwell, Resident Staff Officer at the College.

## SCHOLARSHIP WINNERS FOR 1959-60

Percy H. Elliott Memorial Scholarship .....	Margaret J. Lendrum
Royal Institution and Frank Eaton Memorial Scholarship .....	Sheila P. Ryves
Alliance Française Prize .....	Glenys M. Parry
T. Eaton Company Limited Scholarship .....	Charles N. Brown
Kiwanis Scholarship .....	David A. McKay
Quita Nichol Bursaries — Second Year .....	Geoffrey W. Arundell
First Year .....	Grace Maurice
by reversion to .....	Susan Dickinson
First Year .....	C. Anita Harold
by reversion to .....	Catherine E. Emery
University Women's Club Scholarship .....	C. Anita Harold
by reversion to .....	Sharon G. Rayner
Kathleen Agnew Scholarship .....	M. Dawn Stephen
Sidney Roofing and Paper Company Scholarship .....	John L. Scadding
British America Paint Company Scholarship .....	Edward R. Powell
Victoria Municipal Chapter Imperial Order of the Daughters of the Empire Scholarship .....	Stewart I. Patrick
Kinsmen Club of Victoria Scholarship .....	George H. Copley
Esther Pearce Memorial Prize .....	C. Anita Harold
by reversion to .....	Catherine E. Emery
John Wesley and Emily E. Church Memorial Scholarship .....	Sheila M. MacEwan
Ker Scholarship .....	Edward R. Powell
Victoria Lions Club Scholarship .....	Patricia O. Service
British Columbia Telephone Company Scholarship .....	Douglas J. McMillin
Arthur S. Denny Scholarship .....	Robert L. Bickell
Madame Sanderson Memorial Scholarship .....	Glenys M. Parry
I.O.D.E. Golden Jubilee Scholarship .....	Glenys M. Parry
Camosun Gyro Club Scholarship .....	Patricia O. Service
Benny Nicholas Memorial Award .....	Julian N. deB. Reid
Island Tug and Barge Limited Scholarship .....	Edward R. Powell
by reversion to .....	Frank G. Bridges
University Extension Scholarship .....	Michiel S. D. Horn
Fred Spencer Scholarship .....	Philip S. Winterbottom
The Vancouver Island Branch, Engineering Institute of Canada Scholarship .....	Robin G. Booth
Victoria Council, United Commercial Travellers of America Scholarship .....	Janet M. Cooper
Yorkshire and Canadian Trust Limited Scholarship .....	M. Dawn Stephen
Yarrows Limited Bursary .....	Douglas J. McMillin
Alan Pratt Memorial Scholarship .....	Patrick M. Thompson
Victoria Gyro Club Scholarship .....	Michael E. Farquhar
British Columbia Electric Company, Limited, Proficiency Scholarship .....	John L. Scadding
General and Mrs. G. R. Pearkes Prize .....	David A. McKay
Hudson's Bay Company Scholarship .....	Philip L. Clark
Harold M. Diggon Memorial Bursary .....	Michiel S. D. Horn
Rosalind W. Young Scholarship .....	Sheila M. MacEwan
by reversion to .....	Jeannine Turner
Clearihue Bursary .....	Theresa K. Cushing
Army, Navy and Air Force Veterans of Canada Associated Scholarships .....	Mrs. Peta-Ann Jackson and Anthony G. Wilden
Victoria Rotary Club Scholarship .....	Sheila M. MacEwan
British Columbia Cement Company Scholarship .....	Patricia O. Service

The Ladies' Auxiliary of Victoria Unit No. 12, Army, Navy and Air Force	
Veterans of Canada, General Proficiency Scholarships .....	Donald P. Walmsley and Nora L. Wright
Canadian Legion B.E.S.L. (Victoria, B.C.), Sir Percy Lake	
Memorial Scholarship .....	S. Diane Robertson
The P.H. B. Dawson Bursary .....	Brian G. Carr-Harris
The Weston Bakeries Limited Scholarship .....	Margaret J. Lendrum
The Woodward Stores Limited Scholarship .....	Georgina A. D. MacLean
The Rithet Consolidated Limited Bursary .....	Christopher D. Murray
The Opt. Mrs. Club Bursary .....	John P. Lawrence
by reversion to .....	Marilyn J. Profit
Oak Bay Kiwanis Scholarship .....	Jeannine Turner
The Victoria Medical Society Scholarship .....	Martin L. T. Bergbusch
Vancouver Island Chapter of the American Society for	
Metals Scholarship .....	George H. Copley
Brand's Restaurant Scholarship .....	Bonnie J. Bray
by reversion to .....	Sheila M. MacEwan
The Charles E. (Chuck) Copeland Memorial Scholarship .....	Judith A. Richardson
The View Royal Parent-Teacher Association Bursary .....	R. Jan F. Smith
British Columbia Electric Company, Limited, Scholarship .....	Frederick W. Comer
The British Columbia 1958 Centennial Scholarship .....	Robert R. Taylor
The Weber Memorial Bursary .....	Wendy K. Etheridge
Victoria Gas Company Centennial Scholarships .....	C. Anita Harold
by reversion to .....	Barry M. Gelling and Howard Lim and David G. Alexander
The Rotary Club of Douglas (Victoria) Scholarship .....	Kenneth H. Bull
The Victoria West Parent-Teacher Association Scholarship .....	Frances P. Chapman
Canadian Association for Health, Physical Education and Recreation,	
Inc. (Greater Victoria Branch) Scholarship .....	D. Gary Tuttle
Birks Gold Watch .....	S. Diane Robertson
Francis Gold Wrist Watch .....	John L. Scadding
The Rose's Limited Jewelers Watch .....	Mrs. Maxine I. Bowen
Book Prize for English .....	Sheila M. MacEwan
French Government Book Prizes .....	E. Grace Maurice and Glenys M. Parry
French Book Prize for First Year .....	Christopher D. Murray
German Government Book Prizes .....	C. Anita Harold and Klara Koerber and S. Anne Hassen and John Simpson
Spanish Government Book Prize .....	Michael E. Farquhar
Russian Book Prize .....	Colin K. Roberts
Book Prizes for students in Education .....	I. Barbara Kallus and Nancy H. Mayar
Slide Rule Prizes for Science .....	Douglas J. McMillin and Edward R. Powell and George H. Copley
Recordings for a student in Education .....	Sheila P. Ryves



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